Data Sheet (Cat.No.TMAB-01992)

YY1 Nuclear Loading Control Antibody (3P967)

Product Details

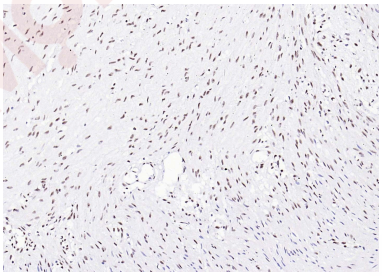
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 46 kDa. Actual: 65 kDa.
Clone:	3P967
Purification:	Protein A purified

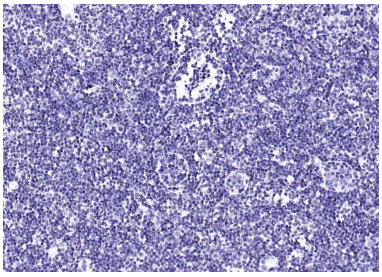
Applications

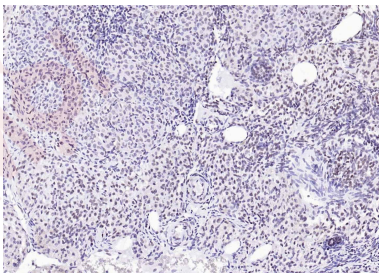
Verified Activity:	1. Paraformaldehyde-fixed, paraffin embedded (Human smooth muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 2. Paraformaldehyde-fixed, paraffin embedded (mouse lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 3. Paraformaldehyde-fixed, paraffin embedded (mouse ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 4. Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 5. Paraformaldehyde-fixed, paraffin embedded (mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining. 6. Paraformaldehyde-fixed, paraffin embedded (Rat lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.

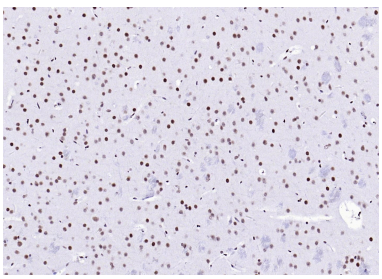
7. Paraformaldehyde-fixed, paraffin embedded (Rat bladder); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
8. Paraformaldehyde-fixed, paraffin embedded (Rat ovary); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
9. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
10. Paraformaldehyde-fixed, paraffin embedded (rat breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
11. Paraformaldehyde-fixed, paraffin embedded (rat placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
12. Paraformaldehyde-fixed, paraffin embedded (human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (YY1 (Nuclear Loading Control)) Monoclonal Antibody, Unconjugated (TMAB-01992) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructionsand DAB staining.
13. Blank control: K562. Primary Antibody (green line): Rabbit Anti-YY1 (Nuclear Loading Control) antibody (TMAB-01992)
Dilution: 1 µg/10^6 cells;
Isotype Control Antibody (orange line): Rabbit IgG.
Secondary Antibody: Goat anti-rabbit IgG-FITC
Dilution: 0.5 µg/test.
Protocol
The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.
14. Sample:
Lane 1: MCF-7 (Human) Cell Lysate at 30 µg
Lane 2: Jurkat (Human) Cell Lysate at 30 µg
Lane 3: Du145 (Human) Cell Lysate at 30 µg
Lane 4: U251 (Human) Cell Lysate at 30 µg

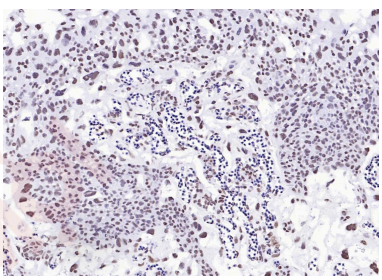
Lane 5: Panc-1 (Human) Cell Lysate at 30 µg
Lane 6: MDA-MB-231 (Human) Cell Lysate at 30 µg
Lane 7: Molt-4 (Human) Cell Lysate at 30 µg
Lane 8: Hela (Human) Cell Lysate at 30 µg
Lane 9: HL60 (Human) Cell Lysate at 30 µg
Lane 10: Urinary bladder (Mouse) Lysate at 40 µg
Lane 11: Testis (Mouse) Lysate at 40 µg
Primary: Anti-YY1 (TMAB-01992) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 65-68 kDa
Observed band size: 65 kDa

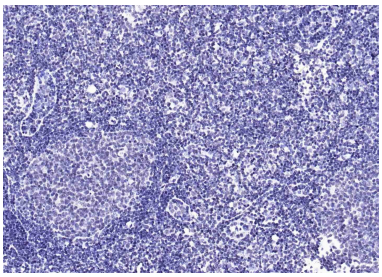


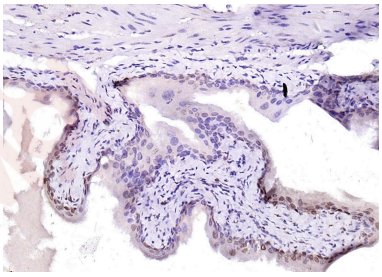


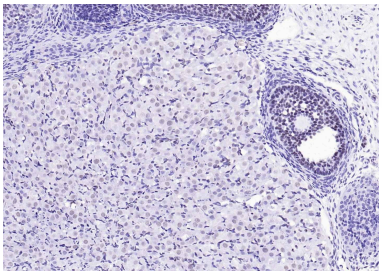


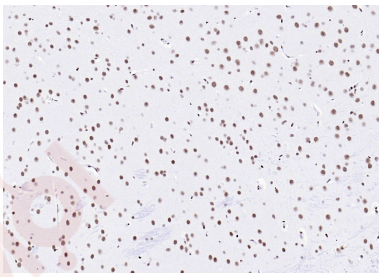


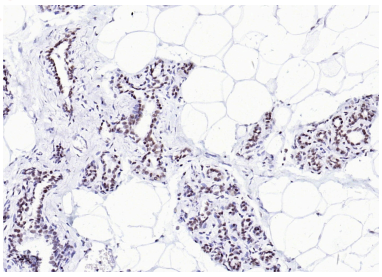


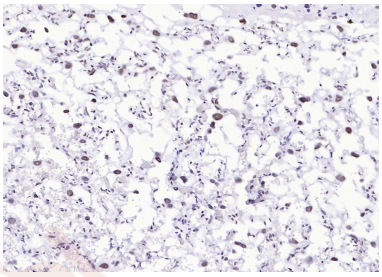


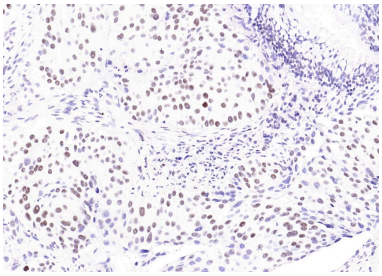


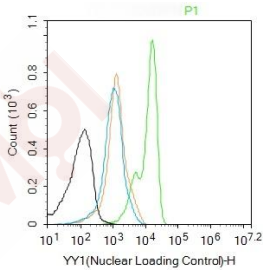


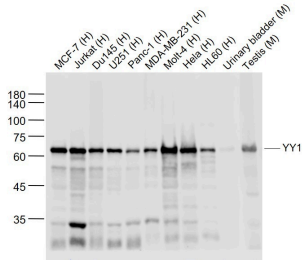












Application: FCM,IF,IHC-Fr,IHC-P,WB

Recommended: FCM=1:50-100; IF=1:50-200; IHC-Fr=1:50-200; IHC-P=1:50-200; WB=1:500-2000

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein: human YY1

Antigen Species: Human

Gene ID: 7528

Uniprot ID: P25490

Synonyms: INO80 complex subunit S;δ transcription factor;INO80S;Transcriptional repressor protein YY1; Delta transcription factor;NF-E1;Yin and yang 1

Biology Area: Zinc Finger,Other factors,Transcription Factors,YY1,Neurogenesis

Research Background

YY1 is a ubiquitously distributed transcription factor belonging to the GLI Kruppel class of zinc finger proteins. The protein is involved in repressing and activating a diverse number of promoters. YY1 may direct histone deacetylases and histone acetyltransferases to a promoter in order to activate or repress the promoter, thus implicating histone modification in the function of YY1.

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