

Anti-HDAC1 Polyclonal Antibody

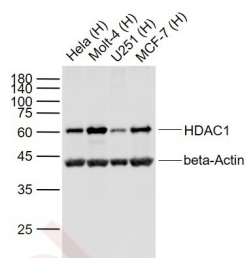
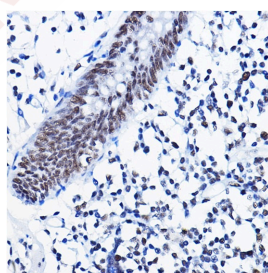
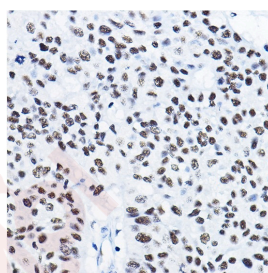
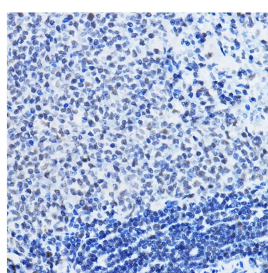
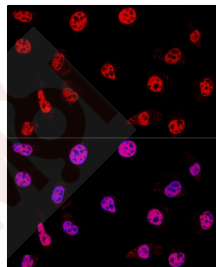
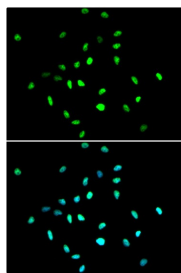
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 55 kDa.
Purification:	Protein A purified

Applications

1. A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (KO Validated) hDAC1 polyclonal Antibody, Unconjugated (TMAB-00839) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
2. L929 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (KO Validated) hDAC1 polyclonal Antibody, Unconjugated (TMAB-00839) 1:200, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nucleus.
3. Paraformaldehyde-fixed, paraffin embedded (rat spleen); 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 (HDAC1) Polyclonal Antibody, Unconjugated (TMAB-00839) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
4. Paraformaldehyde-fixed, paraffin embedded (human lung cancer); 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 (HDAC1) Polyclonal Antibody, Unconjugated (TMAB-00839) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
5. Paraformaldehyde-fixed, paraffin embedded (human colon); 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 (HDAC1) Polyclonal Antibody, Unconjugated (TMAB-00839) at 1:50 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. Sample:
 - Lane 1: Hela (Human) Cell Lysate at 30 µg
 - Lane 2: Molt-4 (Human) Cell Lysate at 30 µg
 - Lane 3: U251 (Human) Cell Lysate at 30 µg
 - Lane 4: MCF-7 (Human) Cell Lysate at 30 µgPrimary:
 - Anti-HDAC1 (TMAB-00839) at 1/1000 dilution
 - Anti-beta-Actin at 1/2000 dilutionSecondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 62 kDa
Observed band size: 60 kDa

Verified Activity:



Application: ICC/IF,IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-200; IHC-Fr: 1:100-200; ICC/IF: 1:100; IF: 1:50-100

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 HDAC1

Antigen Species: Human

Gene ID: 3065

Uniprot ID: Q13547

Biology Area: Hypertrophy,Acetylation,Class I,HDAC1,HDACs

Research Background

Histone acetylation and deacetylation, catalyzed by multisubunit complexes, play a key role in the regulation of eukaryotic gene expression. The protein encoded by this gene belongs to the histone deacetylase/acuc/apha family and is a component of the histone deacetylase complex. It also interacts with retinoblastoma tumor-suppressor protein and this complex is a key element in the control of cell proliferation and differentiation. Together with metastasis-associated protein-2, it deacetylates p53 and modulates its effect on cell growth and apoptosis.

[provided by RefSeq, Jul 2008]

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