

Anti-HSC70 Antibody (9V519)

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Molecular Weight:	Theoretical: 71 kDa. Actual: 68 kDa.
Clone:	9V519
Purification:	Protein G purified

Applications

1. Sample:

Lane 1: Testis (Mouse) Lysate at 40 µg
Lane 2: Kidney (Mouse) Lysate at 40 µg
Lane 3: Stomach (Mouse) Lysate at 40 µg
Lane 4: Pancreas (Mouse) Lysate at 40 µg
Lane 5: NIH/3T3 (Mouse) Cell Lysate at 30 µg
Lane 6: Testis (Rat) Lysate at 40 µg
Lane 7: Stomach (Rat) Lysate at 40 µg
Lane 8: Pancreas (Rat) Lysate at 40 µg
Lane 9: 293T (Human) Cell Lysate at 30 µg
Lane 10: MCF-7 (Human) Cell Lysate at 30 µg
Lane 11: Hela (Human) Cell Lysate at 30 µg
Lane 12: A549 (Human) Cell Lysate at 30 µg
Primary: Anti-HSC70 (TMAB-07307) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 70 kD
Observed band size: 68 kD

Verified Activity:

2. 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 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HSC70) Monoclonal Antibody, Unconjugated (ascites of TMAB-07307 8C7) at 1: 2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

3. Paraformaldehyde-fixed, paraffin embedded (Mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HSC70) Monoclonal Antibody, Unconjugated (ascites of TMAB-07307 8C7) at 1: 2000 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.

4. Paraformaldehyde-fixed, paraffin embedded (rat testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C,

followed by operating according to SP Kit (Mouse) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

7. Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

8. Paraformaldehyde-fixed, paraffin embedded (Human duodenum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

9. Paraformaldehyde-fixed, paraffin embedded (Human stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

10. 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 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

11. Paraformaldehyde-fixed, paraffin embedded (human kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (HSC70) Monoclonal Antibody, Unconjugated (TMAB-07307) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Mouse) instructions and DAB staining.

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

Recommended WB: 1:500-1000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. 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 HSC70 Protein

Antigen Species: Human

Gene ID: 3312

Uniprot ID: P11142

Research Background

This gene encodes a member of the heat shock protein 70 family, which contains both heat-inducible and constitutively expressed members. This protein belongs to the latter group, which are also referred to as heat-shock cognate proteins. It functions as a chaperone, and binds to nascent polypeptides to facilitate correct folding. It also

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functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011]

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