

Anti-HSP60 Polyclonal Antibody

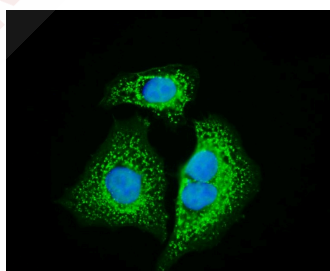
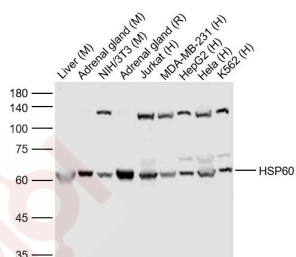
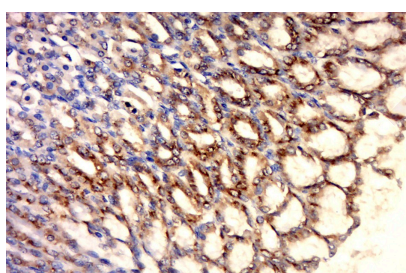
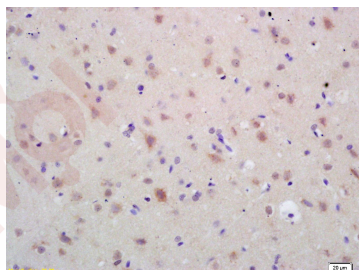
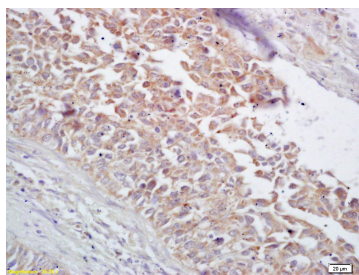
Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat (predicted:Dog,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 58 kDa. Actual: 62 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HSP60 Polyclonal Antibody, Unconjugated (TMAB-00892) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
2. Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Incubation: Anti-HSP60 Polyclonal Antibody, Unconjugated (TMAB-00892) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.
3. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (HSP60) Polyclonal Antibody, Unconjugated (TMAB-00892) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
4. Sample:
 - Lane 1: Liver (Mouse) Lysate at 40 µg
 - Lane 2: Adrenal gland (Mouse) Lysate at 40 µg
 - Lane 3: NIH/3T3 (Mouse) Cell Lysate at 30 µg
 - Lane 4: Adrenal gland (Rat) Lysate at 40 µg
 - Lane 5: Jurkat (Human) Cell Lysate at 30 µg
 - Lane 6: MDA-MB-231 (Human) Cell Lysate at 30 µg
 - Lane 7: HepG2 (Human) Cell Lysate at 30 µg
 - Lane 8: Hela (Human) Cell Lysate at 30 µg
 - Lane 9: K562 (Human) Cell Lysate at 30 µg
 Primary: Anti-HSP60 (TMAB-00892) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
 Predicted band size: 62 kDa
 Observed band size: 62 kDa
5. HepG2 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 (HSP60) polyclonal Antibody, Unconjugated (TMAB-00892) 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.

Verified Activity:



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

Recommended ICC/IF=1:100-500; IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; 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: KLH conjugated synthetic peptide: human HSP60
Antigen Species: Human
Gene ID: 3329
Uniprot ID: P10809
Synonyms: 60kDa;Hsp60;heat shock 60kDa protein 1 (chaperonin)
Biology Area: Signal transduction proteins ELISA kits,Heat Shock Proteins,Mitochondria

Research Background

This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Two pseudogenes, both located on chromosome 8, have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13.

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