

Anti-GRP75 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse, Rat (predicted: Dog, Pig, Cow, Horse, Rabbit)
Molecular Weight:	Theoretical: 70 kDa. Actual: 70 kDa.
Purification:	Protein A purified

Applications

1. Sample:

Lane 1: Mouse Liver tissue lysates

Lane 2: Mouse Testis tissue lysates

Lane 3: Mouse Cerebrum tissue lysates

Lane 4: Rat Liver tissue lysates

Lane 5: Rat Testis tissue lysates

Lane 6: Rat Cerebrum tissue lysates

Lane 7: Rat Pancreas tissue lysates

Lane 8: Human K562 cell lysates

Lane 9: Human MCF-7 cell lysates

Lane 10: Human Jurkat cell lysates

Lane 11: Human HeLa cell lysates

Lane 12: Human HepG2 cell lysates

Primary: Anti-GRP75 (TMAB-00816) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 70 kDa

Observed band size: 72 kDa

Verified Activity:

2. 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions 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 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

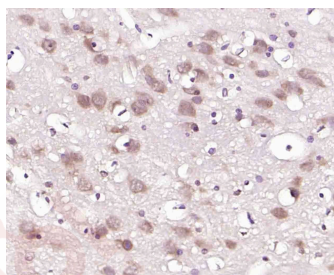
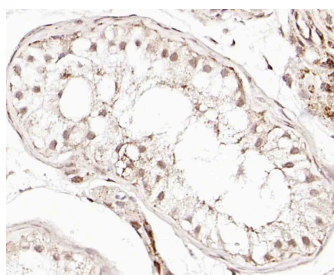
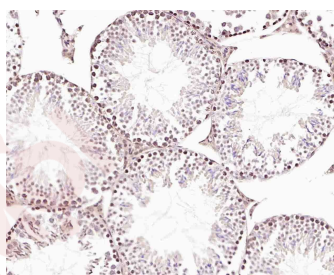
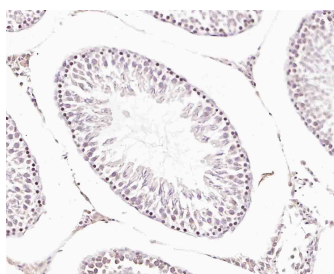
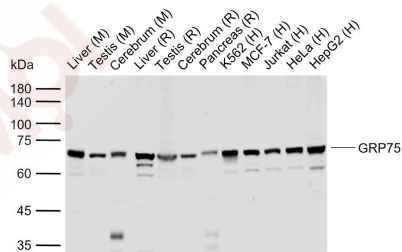
4. Paraformaldehyde-fixed, paraffin embedded (human testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

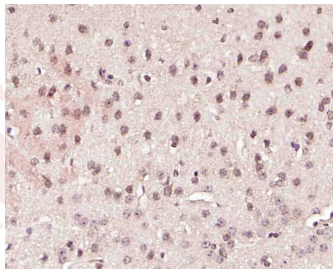
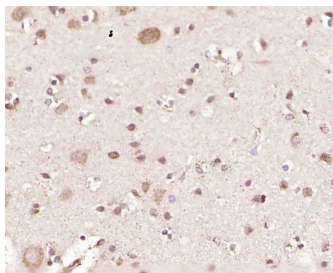
5. Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

6. Paraformaldehyde-fixed, paraffin embedded (human 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; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

7. 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; Incubation with (GRP75) Polyclonal Antibody, Unconjugated (TMAB-00816) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.





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

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

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 GRP75

Antigen Species: Human

Gene ID: 3313

Uniprot ID: P38646

Synonyms: Stress 70 protein mitochondrial;P66 MOT;p66 mortalin;Glucose Regulated Protein;75 kDa glucose-regulated protein;HSPA9;MGC4500;Heat shock protein cognate 74;Hsp74a;HSPA9B;G protein-coupled receptor75;Peptide binding protein 74;Heat shock protein 74 kDa A;Grp 75;Hsc74;Heat shock 70kD protein 9;Mortalin;PBP74;Mortalin2;Hspa9a;Mthsp70;MOT;MOT2;Heat shock protein A;Heat shock 70kDa protein 9B;Mortalin 2;Hsp74;Stress 70 protein mitochondrial precursor;Mortalin perinuclear;CSA;MOT 2

Biology Area: Cell division,Tumor biomarkers,Mitochondrial Biogenesis,Mitochondrial markers,Alzheimer's disease,Parkinson's disease,Mitochondrial,Heat Shock Proteins

Research Background

This gene encodes a member of the heat shock protein 70 gene family. The encoded protein is primarily localized to the mitochondria but is also found in the endoplasmic reticulum, plasma membrane and cytoplasmic vesicles. This protein is a heat-shock cognate protein. This protein plays a role in cell proliferation, stress response and maintenance of the mitochondria. A pseudogene of this gene is found on chromosome 2.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481