

Anti-GLOD4 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 35 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	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 (GLOD4) Polyclonal Antibody, Unconjugated (TMAB-06515) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	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:	KLH conjugated synthetic peptide: human GLOD4
Antigen Species:	Human
Gene ID:	51031
Uniprot ID:	Q9HC38

Research Background

GLOD4 is a 313 amino acid protein belonging to the glyoxalase I family. GLOD4 interacts with NUDT9, a highly specific adenosine diphosphate ribose pyrophosphatase. Localized to mitochondrion, GLOD4 is expressed in heart, brain, liver, kidney, pancreas and placenta, but is not found in skeletal muscle or lung. Expression of GLOD4 is decreased in hepatocellular carcinoma samples in comparison to adjacent non-cancerous liver tissues from the same patients. Transfection of GLOD4 in hepatocellular carcinoma cells and overexpression has also been shown to inhibit cell growth. GLOD4 exists as three alternatively spliced isoforms and is encoded by a gene that maps to human chromosome 17p13.3.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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