SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-GLOD4 antibody

Catalog Number: SL16250R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GLOD4
Immunogen:	KLH conjugated synthetic peptide derived from human GLOD4: 101-200/313
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Dog,Pig,Cow,Horse,Sheep)
Predicted MW.:	35kDa
Subcellular Location:	cytoplasmic
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. **Subcellular Location:** Mitochondrion. **Tissue Specificity:** Expressed in heart, brain, liver, kidney, pancreas and placenta. Not expressed in skeletal muscle and lung.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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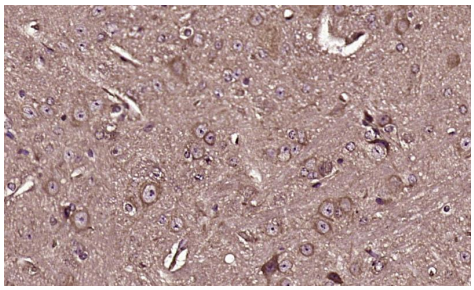
	Similarity: Belongs to the glyoxalase I family. **Database links:** **Entrez Gene:** 51031 Human **Entrez Gene:** 67201 Mouse **Entrez Gene:** 363644 Rat **SwissProt:** Q9HC38 Human **SwissProt:** Q9CPV4 Mouse **SwissProt:** Q5I0D1 Rat **Unigene:** 279061 Human **Unigene:** 595572 Human **Unigene:** 482113 Mouse **Unigene:** 24630 Rat

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLOD4) Polyclonal Antibody, Unconjugated (SL16250R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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