



Rabbit Anti-GDPD5 antibody

SL9207R

Product Name:	GDPD5
Chinese Name:	甘油磷酸二酯酶磷酸结构域5抗体
Alias:	GDE2; Gdpd5; GDPD5_HUMAN; Glycerophosphodiester phosphodiesterase 2; Glycerophosphodiester phosphodiesterase domain containing 5; Glycerophosphodiester phosphodiesterase domain-containing protein 5; PP1665.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	69kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GDPD5:301-400/605<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Promotes neurite formation. Cooperates with PRDX1 to drive postmitotic motor neuron differentiation. The glycerophosphodiester phosphodiesterase activity may be required for its role in neuronal differentiation. May contribute to the osmotic regulation of cellular glycerophosphocholine.

Function:

Promotes neurite formation. Cooperates with PRDX1 to drive postmitotic motor neuron differentiation. The glycerophosphodiester phosphodiesterase activity may be required for its role in neuronal differentiation. May contribute to the osmotic regulation of cellular glycerophosphocholine.

Subunit:

Interacts with PRDX1; forms a mixed-disulfide with PRDX1, leading to disrupt intramolecular disulfide bond between Cys-25 and Cys-571 (By similarity).

Subcellular Location:

Endomembrane system. Cytoplasm; perinuclear region. Cell projection; growth cone. In a punctate perinuclear pattern.

Post-translational modifications:

Intramolecular disulfide bond between Cys-25 and Cys-571 is reduced by PRDX1 (By similarity).

Similarity:

Belongs to the glycerophosphoryl diester phosphodiesterase family. Contains 1 GDPD domain.

SWISS:

Q8WTR4

Gene ID:

81544

Database links:

[Entrez Gene: 81544](#)Human

[Entrez Gene: 233552](#)Mouse

[Entrez Gene: 100627912](#)Pig

[Entrez Gene: 499211](#)Rat

[Omim: 609632](#)Human

[SwissProt: Q8WTR4](#)Human

[SwissProt: Q640M6](#)Mouse

[Unigene: 503297](#)Human

[Unigene: 286317](#)Mouse

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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