SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-PLXNB3 antibody

Catalog Number: SL11470R

FOR RESEARCH USE ONLY

[DATASHEET]

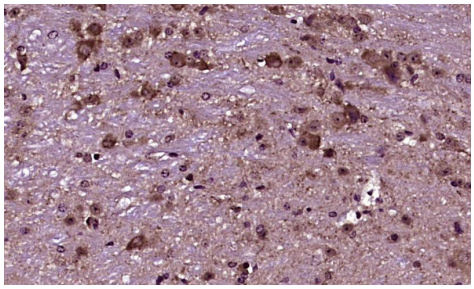
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	PLXNB3
Immunogen:	KLH conjugated synthetic peptide derived from human Plexin B3: 354-400/1909 <Extracellular>
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. 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,Horse)
Predicted MW.:	202kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	Plexins are a family of large, transmembrane receptors for multiple classes of semaphorins in vertebrates. They are widely expressed, and regions of their extracellular domain are homologus to both scatter factor receptors and semaphorin domains. Plexins may act as semaphorin receptors alone or in combination with neuropilins. Plexins are divided into four subfamilies designated plexin-A, -B, -C, and -D. Plexin-B1 and -B2 are both receptors for Sema4D, which stimulates axonal outgrowth of embryonic dorsal root ganglion neurons. . Plexin-B3 binds to Sema5A, which controls axon guidance and can initiate the intracellular signaling of the hepatocyte growth factor/scatter factor receptor Met. **Function:** Receptor for SEMA5A. Plays a role in axon guidance, invasive

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	growth and cell migration. **Subunit:** Interacts (via cytoplasmic domain) with RAC1 and ARHGDIA (By similarity). Binds MET and MST1R. Interacts (via cytoplasmic domain) with FSCN1. Interacts with RIT2/RIN. May form homodimers (via Sema domain). **Subcellular Location:** Cell membrane; Single-pass type I membrane protein. Note=Colocalizes with RIT2/RIN at the plasma membrane. **Tissue Specificity:** Detected at very low levels in several fetal tissues. **Similarity:** Belongs to the plexin family. Contains 4 IPT/TIG domains. Contains 1 Sema domain. **Database links:** **Entrez Gene:** 5365 Human Omim: 300214 Human **SwissProt:** Q9ULL4 Human **Unigene:** 632833 Human

[VALIDATION IMAGES]



Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); 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 (PLXNB3) Polyclonal Antibody, Unconjugated (SL11470R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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