SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-DISP2 antibody

Catalog Number: SL11588R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	DISP2
Immunogen:	KLH conjugated synthetic peptide derived from human DISP2: 1101-1200/1401
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:	ELISA=1:5000-10000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse)
Predicted MW.:	152kDa
Subcellular Location:	The cell membrane
Background:	DISP2 is the second of three known homologs of the D.melanogaster protein Dispatched. It is a multitransmembrane protein containing two PTCH/DISP domains and is thought to be involved in the release of lipid-anchored Hedgehog from producing cells. Hedgehog is a major player in signaling pathways during embryogenesis, tissue regeneration, and carcinogenesis and the DISP proteins have been implicated in these pathways. Recently, it has been shown that DISP2 is translationally regulated by the microRNA miR-214 in zebrafish. Expression of this miRNA decreased DISP2 promoter activity in vitro and its overexpression in zebrafish resulted in a phenotype identical to that observed by DISP2 mutants. At least two isoforms of DISP2 are known to exist. **Subcellular Location:** Membrane; Multi-pass membrane protein. **Similarity:** Belongs to the dispatched family. Contains 1 SSD (sterol-sensing) domain.

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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	Database links: **Entrez Gene:** 85455 Human **Entrez Gene:** 214240 Mouse **Entrez Gene:** 311324 Rat Omim: 607503 Human **SwissProt:** A7MBM2 Human **SwissProt:** Q8CIP5 Mouse

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