



Rabbit Anti-DISP2 antibody

SL11588R

Product Name:	DISP2
Chinese Name:	TransporterDISP2抗体
Alias:	DISP 2; Dispatched B; Dispatched homolog 2 (Drosophila); Dispatched homolog 2; DISPB; DKFZp547N223; HsT16908; KIAA1742; Protein dispatched homolog 2; DISP2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	152kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human DISP2:1101-1200/1401
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:	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.

SWISS:

A7MBM2

Gene ID:

85455

Database links:

[Entrez Gene: 85455](#)Human

[Entrez Gene: 214240](#)Mouse

[Entrez Gene: 311324](#)Rat

[Omid: 607503](#)Human

[SwissProt: A7MBM2](#)Human

[SwissProt: Q8CIP5](#)Mouse

Important Note:

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