



Rabbit Anti-Dispatched antibody

SL11549R

Product Name:	Dispatched
Chinese Name:	膜TransporterDISPA抗体
Alias:	DISP1; DISP 1; disp1; DISP1_HUMAN; DISPA; Dispatched A; Dispatched homolog 1; DKFZP434I0428; FLJ43740; MGC104180; MGC13130; MGC16796; Protein dispatched homolog 1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=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:	171kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Dispatched:301-400/1524
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:	The pattern of cellular proliferation and differentiation that leads to normal development of embryonic structures often depends upon the localized production of secreted protein signals. Cells surrounding the source of a particular signal respond in a graded manner according to the effective concentration of the signal, and this response produces the pattern of cell types constituting the mature structure. A novel segment-polarity gene

known as dispatched has been identified in Drosophila and its protein product is required for normal Hedgehog (Hh) signaling. This gene is one of two human homologs of Drosophila dispatched and, based on sequence identity to its mouse counterpart, the encoded protein may play an essential role in Hh patterning activities in the early embryo. [provided by RefSeq, Jul 2008]

Function:

Functions in hedgehog (Hh) signaling. Regulates the release and extracellular accumulation of cholesterol-modified hedgehog proteins and is hence required for effective production of the Hh signal

Subcellular Location:

Membrane; Multi-pass membrane protein

Similarity:

Belongs to the dispatched family.
Contains 1 SSD (sterol-sensing) domain.

SWISS:

Q96F81

Gene ID:

84976

Database links:

[Entrez Gene: 84976](#) Human

[Entrez Gene: 68897](#) Mouse

[Omim: 607502](#) Human

[SwissProt: Q96F81](#) Human

[SwissProt: Q3TDN0](#) Mouse

[Unigene: 528817](#) Human

[Unigene: 358721](#) Mouse

Important Note:

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