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Dispatched Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54540

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96F81
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	170934
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Dispatched
Epitope Specificity	301-400/1524
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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.
Background Descriptions	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]

Additional Information

Gene ID	84976
Other Names	Protein dispatched homolog 1, DISP1, DISPA
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	DISP1
Synonyms	DISPA
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 (By similarity). Synergizes with SCUBE2 to cause an increase in SHH secretion (PubMed:22902404).
Cellular Location	Membrane; Multi-pass membrane protein