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Product datasheet for TA306676

DISP2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1 - 2 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Disp2 antibody was raised against a 19 amino acid peptide from near the carboxy terminus of human Disp2.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	dispatched RND transporter family member 2
Database Link:	NP_277045 Entrez Gene 214240 MouseEntrez Gene 311324 RatEntrez Gene 85455 Human A7MBM2
Background:	Disp2 is the second of three known homologs of the D. melanogaster protein Dispatched. It is a multi-transmembrane 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. This Disp2 antibody is predicted to not cross-react with Disp1 or Disp3.

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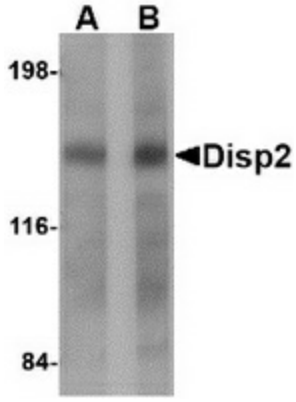
Synonyms: DISPB; HsT16908

Protein Families: Transmembrane

Product images:



Western blot analysis of Disp2 in rat brain tissue lysate with Disp2 antibody at (A) 1 and (B) 2 ug/ml.