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DISP2 Antibody
Catalog # ASC10802

Specification

DISP2 Antibody - Product Information

Application	**IHC**
Primary Accession	A7MBM2
Other Accession	A7MBM2, 160380692
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**DISP2 antibody can be used for detection of DISP2 by immunohistochemistry at 5 µg/mL.**

DISP2 Antibody - Additional Information

Gene ID **85455**

Target/Specificity
DISP2; DISP2 antibody is human specific. At least two isoforms of Disp2 are known to exist. DISP2 antibody is predicted to not cross-react with Disp1 or Disp3.

Reconstitution & Storage
DISP2 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions
DISP2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DISP2 Antibody - Protein Information

Name DISP2 (HGNC:19712)

Cellular Location
Membrane; Multi-pass membrane protein

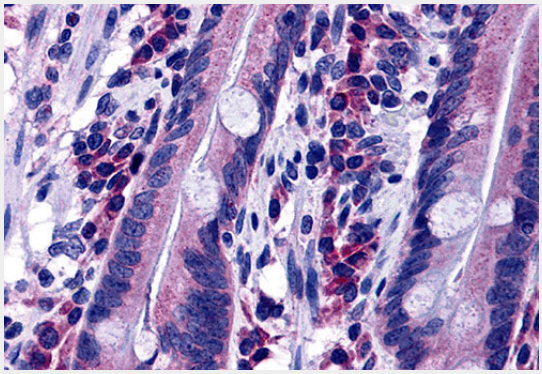
DISP2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DISP2 Antibody - Images



Immunohistochemistry of DISP2 in human small intestine tissue with DISP2 antibody at 5 µg/mL.

DISP2 Antibody - Background

DISP2 Antibody: 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.

DISP2 Antibody - References

Katoh Y and Katoh M. Identification and characterization of DISP3 gene in silico. Int. J. Oncol. 2005; 26:551-6.
Katoh Y and Katoh M. Hedgehog signaling pathway and gastric cancer. Can. Biol. & Ther. 2005; 4:1050-4.
Li N, Flynt AS, Kim HR, et al. Dispatched homolog 2 is targeted by miR-214 through a combination of three week microRNA recognition sites. Nuc. Acids Res. 2008; 36:4277-85.