Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 600-401-AW2

DISP2 Antibody

Overview

Description:	Anti-DISP2 (RABBIT) Antibody - 600-401-AW2
Item No.:	600-401-AW2
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

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.
Synonyms:	DISP2 Antibody, DISPB, HsT16908, DISPB, KIAA1742, Protein dispatched homolog 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DISP2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DISP2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the N-terminus of human DISP2.

Purity/Specificity:	Anti-DISP2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. 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.
Relevant Links:	• UniProtKB - A7MBM2 • GeneID - 85455 • NCBI - A7MBM2

Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-DISP2 Antibody has been tested for use in ELISA and Immunohistochemistry. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 152 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	User Optimized
IHC:	5 µg/mL

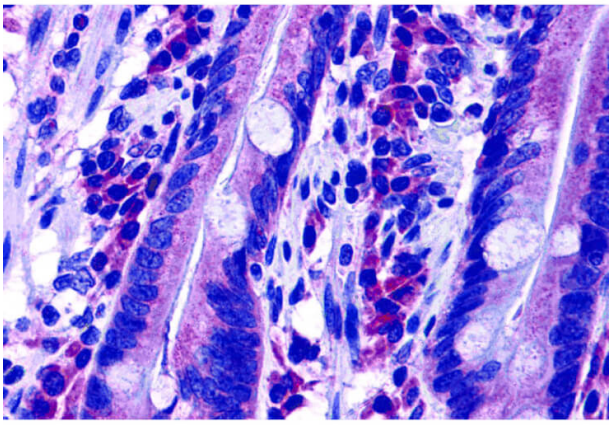
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of DISP2 antibody. Tissue: Human small intestine tissue. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: DISP2 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: DISP2 is nuclear and occasionally cytoplasmic. Staining: DISP2 as precipitated red signal with hematoxylin purple nuclear counterstain.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.