

Datasheet for 600-401-EN2**SLAIN2 Antibody****Overview**

Description:	Anti-SLAIN2 (RABBIT) Antibody - 600-401-EN2
Item No.:	600-401-EN2
Size:	100 µg
Applications:	ELISA, IHC
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	SLAIN2 is closely related to SLAIN1, a novel stem cell protein that is expressed at the stem cell and epiblast stages. Unlike SLAIN1, SLAIN2 is widely expressed and is thought to play a role in regulating microtubule (MT) growth and organization. SLAIN2 binds to end-binding proteins (EBs), cytoplasmic linker proteins (CLIPs) such as CLIP170, CLIP-associated proteins, and interacts with the MT polymerase ch-TOG. Depletion of SLAIN2 using RNAi led to disorganization of the radial MT array, indicating its importance in the regulation of MT growth and organization.
Synonyms:	SLAIN2 Antibody, KIAA1458, KIAA1458, SLAIN motif-containing protein 2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLAIN2
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLAIN2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 14 amino acid synthetic peptide near the N-terminus of human SLAIN2.
Purity/Specificity:	Anti-SLAIN2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. SLAIN2 antibody is predicted not to cross-react with SLAIN1.

Relevant Links:	• UniProtKB - Q9P270 • GeneID - 57606 • NCBI - AAH40993
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Application Details

Tested Applications:	ELISA, IHC
Application Note:	Anti-SLAIN2 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 63 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

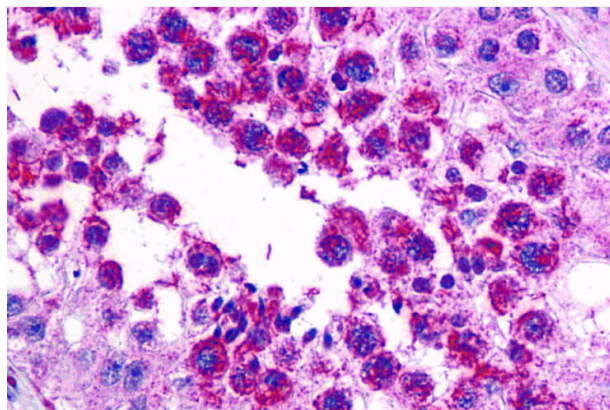
Formulation

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 SLAIN2 antibody. Tissue: Human testis. Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: SLAIN2 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: SLAIN2 is cytoplasmic. Staining: SLAIN2 as precipitated red signal with blue nuclear counterstain.

Disclaimer

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