

Datasheet for 600-401-EN1**SLAIN1 Antibody****Overview**

Description:	Anti-SLAIN1 (RABBIT) Antibody - 600-401-EN1
Item No.:	600-401-EN1
Size:	100 µg
Applications:	ELISA, IF, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	SLAIN1 is a novel stem cell protein that was identified by transcriptional profiling of mouse and human embryonic stem cells (ESCs) and is expressed at the stem cell and epiblast stages. Unlike its more widely expressed homolog SLAIN2, SLAIN1 was found to be expressed in the epiblast, nervous system, tailbud and somites of the developing mouse embryo later experiments suggested that SLAIN1 may play a role in the development of the nervous system as well as in the morphogenesis of several embryonic structures.
Synonyms:	SLAIN1 Antibody, C13orf32, C13orf32, SLAIN motif-containing protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SLAIN1
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-SLAIN1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 15 amino acid synthetic peptide near the C-terminus of human SLAIN1.

Purity/Specificity: Anti-SLAIN1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of SLAIN1 are known to exist; this antibody will detect all three. SLAIN1 antibody is predicted not to cross-react with SLAIN2.

Relevant Links:

- [UniProtKB - Q8ND83](#)
- [GeneID - 122060](#)
- [NCBI - NP_002456](#)

Application Details

Tested Applications: ELISA, IF, WB

Application Note: Anti-SLAIN1 Antibody has been tested for use in ELISA, Western Blotting and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 61 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: 1:10,000

IF: 20 µg/mL

WB: 1 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

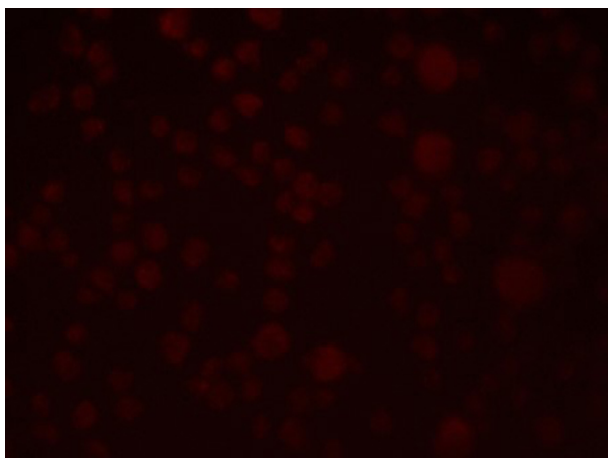


Western Blot

Western blot analysis of SLAIN1.

Load: A549 cell lysate.

Primary Antibody: SLAIN1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunofluorescence Microscopy

Immunofluorescence of SLAIN1.

Cell: A549 cells.

Primary Antibody: SLAIN1 antibody at 2.5 µg/mL.

Disclaimer

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