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SLAIN1 Antibody
Catalog # ASC11009

Specification

SLAIN1 Antibody - Product Information

Application	**IHC**
Primary Accession	Q8ND83
Other Accession	NP_002456, 338968860
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Application Notes	**SLAIN1 antibody can be used for detection of SLAIN1 by immunohistochemistry at 5 µg/mL.**

SLAIN1 Antibody - Additional Information

Gene ID **122060**

Target/Specificity
SLAIN1; At least three isoforms of SLAIN1 are known to exist; this antibody will detect only the largest isoform. SLAIN1 antibody is predicted not to cross-react with SLAIN2.

Reconstitution & Storage
SLAIN1 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
SLAIN1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SLAIN1 Antibody - Protein Information

Name SLAIN1

Synonyms C13orf32

Function
Microtubule plus-end tracking protein that might be involved in the regulation of cytoplasmic microtubule dynamics, microtubule organization and microtubule elongation.

Cellular Location
Cytoplasm, cytoskeleton. Note=Colocalizes with microtubules Detected at the plus end of growing microtubules

Tissue Location
Expressed in embryonic stem cells (PubMed:16546155). Expressed in brain (PubMed:21646404)

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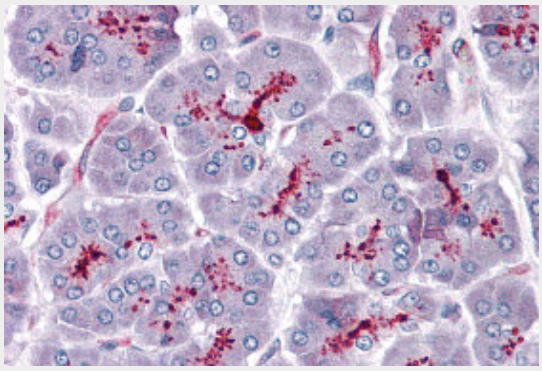
SLAIN1 Antibody - Protocols

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

SLAIN1 Antibody - Images



Immunohistochemistry of SLAIN1 in human pancreas with SLAIN1 antibody at 5 µg/mL.

SLAIN1 Antibody - Background

SLAIN1 Antibody: SLAIN1 is a novel stem cell protein that was identified by transciptional 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.

SLAIN1 Antibody - References

Hirst CE, Ng ES, Azzola L, et al. Transcriptional profiling of mouse and human ES cells identifies SLAIN1, a novel stem cell gene. Dev. Biol. 2006; 293:90-103.
Hirst CE, Lim SM, Pereira LA, et al. Expression from a betageo gene trap in the Slain1 gene locus is predominantly associated with the developing nervous system. Int. J. Dev. Biol. 2010; 54:1383-8.