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

**Specifications**

**SPECIES REACTIVITY:** Human  
**HOMOLOGY:** Predicted species reactivity based on immunogen sequence: Mouse: (93%)  
**TESTED APPLICATIONS:** ELISA, IHC-P  
**APPLICATIONS:** SLAIN1 antibody can be used for detection of SLAIN1 by immunohistochemistry at 5 ug/mL.  
**USER NOTE:** Optimal dilutions for each application to be determined by the researcher.  
**POSITIVE CONTROL:** 1) Cat. No. 11-101 - Human Pancreas Tissue Slide  
**SPECIFICITY:** 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.  
**IMMUNOGEN:** The immunogen was raised against a 16 amino acid synthetic peptide near the center of human SLAIN1.  
**HOST SPECIES:** Rabbit  

**Properties**

**PURIFICATION:** SLAIN1 Antibody is affinity chromatography purified via peptide column.  
**PHYSICAL STATE:** Liquid  
**BUFFER:** SLAIN1 Antibody is supplied in PBS containing 0.02% sodium azide.  
**CONCENTRATION:** 1 mg/mL  
**STORAGE CONDITIONS:** SLAIN1 antibody can be stored at 4°C for three months and -20°C, 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.  
**CLONALITY:** Polyclonal  
**ISOTYPE:** IgG  
**CONJUGATE:** Unconjugated

**Additional Info**
Background

SLAIN1 Antibody: 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.

REFERENCES: