

**SCRN1 Antibody**  
**Catalog # ASC11168****Specification**

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**SCRN1 Antibody - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">Q12765</a>
Other Accession	<a href="#">NP_001138985</a> , <a href="#">224465194</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application Notes	SCRN1 antibody can be used for detection of SCR1 by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.

**SCRN1 Antibody - Additional Information**

Gene ID	9805
Target/Specificity	
SCRN1;	

**Reconstitution & Storage**

SCRN1 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.

**Precautions**

SCRN1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**SCRN1 Antibody - Protein Information**

**Name** SCR1

**Synonyms** KIAA0193

**Function**

Regulates exocytosis in mast cells. Increases both the extent of secretion and the sensitivity of mast cells to stimulation with calcium (By similarity).

**Cellular Location**

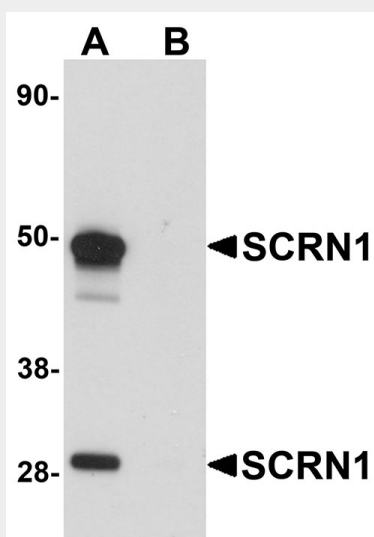
Cytoplasm.

**SCRN1 Antibody - Protocols**

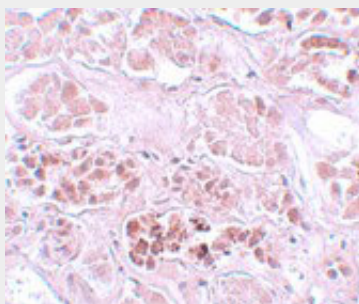
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

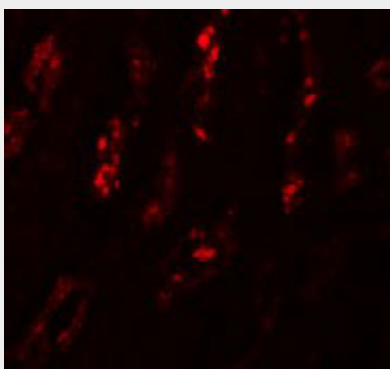
#### SCRN1 Antibody - Images



Western blot analysis of SCR N1 in human kidney tissue lysate with SCR N1 antibody at 1  $\mu$ g/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SCR N1 in human kidney tissue with SCR N1 antibody at 5  $\mu$ g/mL.



Immunofluorescence of SCRN1 in Human Kidney cells with SCRN1 antibody at 20 µg/mL.

### **SCRN1 Antibody - Background**

SCRN1 Antibody: SCRN1 was first identified as a cytosolic protein that is involved in the regulation of exocytosis from peritoneal mast cells. More recent studies have shown that SCRN1 expression is upregulated in gastric cancer cell lines and may possess epitopes that could function as tumor-associated antigens, potentially providing targets for cancer vaccines in the treatment of gastric cancers. Another report indicates that decreased expression of SCRN1 via RNAi expression resulted in significantly lower rates of cell growth in colorectal cancer cell lines, and increased SCRN1 expression in patients with colorectal cancer correlated with poor prognosis, suggesting that SCRN1 may also be involved in the regulation of cell growth and might be useful as a prognostic tool.

### **SCRN1 Antibody - References**

Way G, Morrice N, Smythe C, et al. Purification and identification of Secernin, a novel cytosolic protein that regulates exocytosis in mast cells. *Mol. Biol. Cell* 2002; 13:3344-54.  
Suda T, Tsunoda T, Uchida N, et al. Identification of secernin 1 as a novel immunotherapy target for gastric cancer using the expression profiles of cDNA microarray. *Cancer Sci.* 2006; 97:411-9.  
Miyoshi N, Ishii H, Mimori K, et al. SCRN1 is a novel marker for prognosis in colorectal cancer. *J. Surg. Oncol.* 2010; 101:156-9.