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SCRN1 Antibody

Catalog # ASC11168

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q12765
Other Accession	NP_001138985, 224465194
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	46382
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SCRN1 antibody can be used for detection of SCRN1 by Western blot at 1 g/mL. Antibody can also be used for immunohistochemistry starting at 5 g/mL. For immunofluorescence start at 20 g/mL.

Additional Information

Gene ID	9805
Other Names	Secernin-1, SCRN1, KIAA0193
Target/Specificity	SCRN1;
Reconstitution & Storage	SCRN1 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	SCRN1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SCRN1
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.

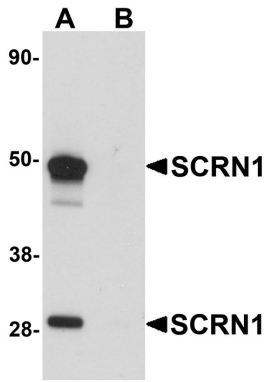
Background

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.

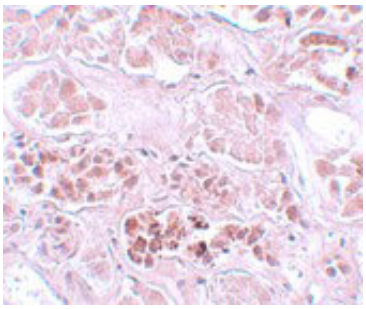
References

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. Cell2002; 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.

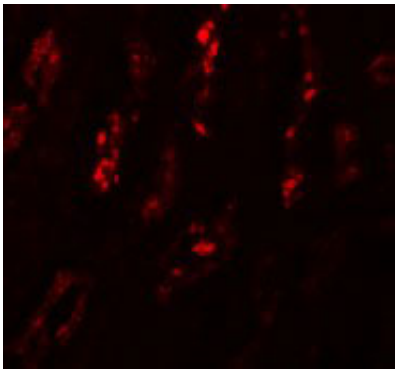
Images



Western blot analysis of SCRN1 in human kidney tissue lysate with SCRN1 antibody at 1 µg/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of SCRN1 in human kidney tissue with SCRN1 antibody at 5 µg/mL.



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