

STIM2 Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS12689**Specification**

STIM2 Antibody (Internal) - Product Information

Application	IF, IHC
Primary Accession	Q9P246
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84kDa KDa

STIM2 Antibody (Internal) - Additional Information**Gene ID** 57620**Other Names**

Stromal interaction molecule 2, STIM2, KIAA1482

Target/Specificity

a 17 amino acid peptide from near the center of human STIM2

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

STIM2 Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

STIM2 Antibody (Internal) - Protein Information**Name** STIM2**Synonyms** KIAA1482**Function**

Plays a role in mediating store-operated Ca^{2+} entry (SOCE), a Ca^{2+} influx following depletion of intracellular Ca^{2+} stores. Functions as a highly sensitive Ca^{2+} sensor in the endoplasmic reticulum which activates both store-operated and store-independent Ca^{2+} -influx. Regulates basal cytosolic and endoplasmic reticulum Ca^{2+} concentrations. Upon mild variations of the endoplasmic reticulum Ca^{2+} concentration, translocates from the endoplasmic reticulum to the plasma membrane where it probably activates the Ca^{2+} release-activated Ca^{2+} (CRAC) channels ORAI1, ORAI2 and ORAI3. May inhibit STIM1-mediated Ca^{2+} influx.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Dynamically translocates from a uniform endoplasmic reticulum distribution to punctual endoplasmic

reticulum-plasma membrane junctions in response to decrease in endoplasmic reticulum Ca^{2+} concentration

Tissue Location

Expressed in all tissues and tumor cell lines examined.

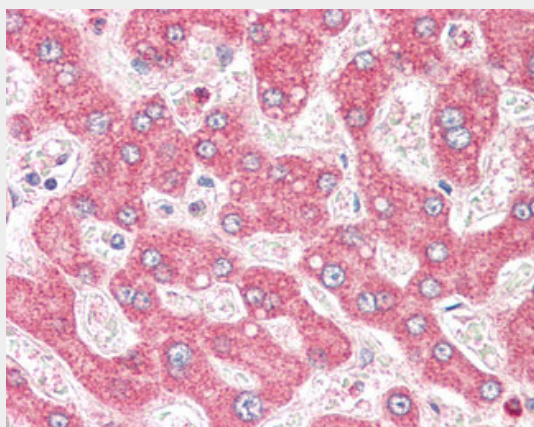
STIM2 Antibody (Internal) - Protocols

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

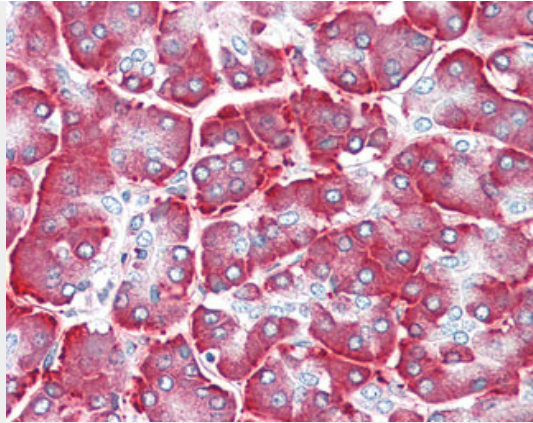
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

STIM2 Antibody (Internal) - Images

Immunofluorescence of STIM2 in Human Spleen cells with STIM2 antibody at 20 ug/ml.



Anti-STIM2 antibody IHC of human liver.



Anti-STIM2 antibody IHC of human pancreas.

STIM2 Antibody (Internal) - Background

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STIM2 Antibody (Internal) - References

- Williams R.T., et al. *Biochem. J.* 357:673-685(2001).
- Nagase T., et al. *DNA Res.* 7:143-150(2000).
- Wiemann S., et al. *Genome Res.* 11:422-435(2001).
- Ota T., et al. *Nat. Genet.* 36:40-45(2004).
- Liou J., et al. *Curr. Biol.* 15:1235-1241(2005).