

STIM2 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54992**Specification**

STIM2 Polyclonal Antibody - Product Information

Application	IHC-P
Primary Accession	Q9P246
Reactivity	Rat, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	83971

STIM2 Polyclonal Antibody - Additional Information**Gene ID** 57620**Other Names**

Stromal interaction molecule 2, STIM2, KIAA1482

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

STIM2 Polyclonal Antibody - 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

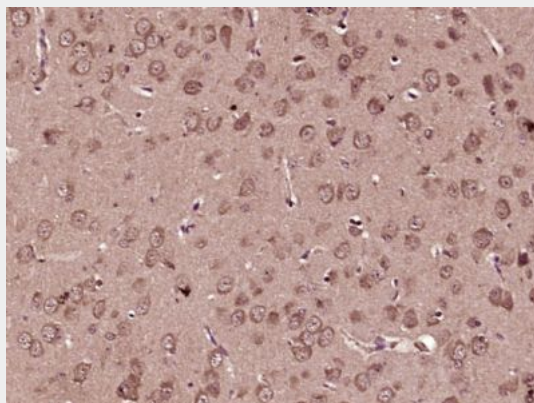
Tissue Location

Expressed in all tissues and tumor cell lines examined.

STIM2 Polyclonal 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](#)

STIM2 Polyclonal Antibody - Images

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (STIM2) Polyclonal Antibody, Unconjugated (bs-12826R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.