

STIM1 polyclonal antibody

Catalog: BS91296

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Ca²⁺ influx is essential for a variety of cellular functions including, secretion and transcription. Stromal interaction molecule 1 (Stim1) is a ubiquitously expressed cell surface transmembrane glycoprotein that plays a role in mediating Ca²⁺ influx following the depletion of intracellular Ca²⁺ stores. Stim1 functions in the endoplasmic reticulum (ER) where it acts as a Ca²⁺ sensor via its EF-hand domain which causes large conformational changes. When Ca²⁺ levels drop, Stim1 translocates from the ER to the plasma membrane, where it activates the Ca²⁺ release-activated Ca²⁺ (CRAC) channel subunit, TMEM142A/Orai1. Stim2 is a potent inhibitor of Stim1-mediated store-operated calcium (SOC) entry. Stim1 is implicated in tumor growth suppression and stromal-hematopoietic cell interactions.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

100 kDa

Swiss-Prot:

Q13586(Human) P70302(Mouse) P84903(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

IHC:1:50-1:200

Storage&Stability:

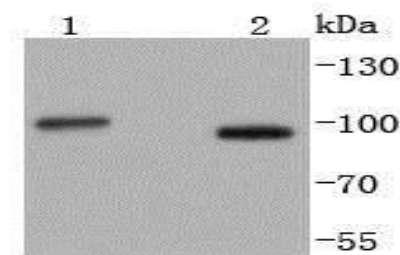
Store at +4 °C after thawing. Aliquot store at -20 °C or

-80 °C. Avoid repeated freeze / thaw cycles.

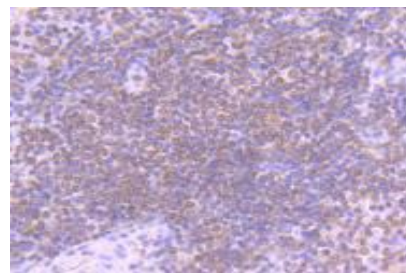
Specificity:

STIM1 polyclonal antibody detects endogenous levels of STIM1 protein.

DATA:



Western blot analysis of STIM1 on different lysates using anti-STIM1 antibody at 1/1,000 dilution. Positive control: Lane 1: K562 Lane 2: HepG2



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-STIM1 antibody. Counter stained with hematoxylin.

Note:

For research use only, not for use in diagnostic procedure.

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