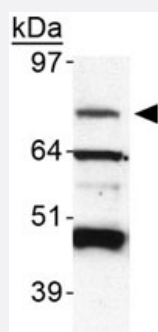


STIM1 polyclonal antibody

Catalog # PAB12017 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of STIM1 in HeLa whole cell extract with STIM1 polyclonal antibody (Cat # PAB12017).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of STIM1.
Immunogen	A synthetic peptide corresponding to amino acids 600-685 of human STIM1.
Host	Rabbit
Reactivity	Bovine, Dog, Human, Mouse, Pig, Rat
Form	Liquid
Recommend Usage	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (30% glycerol, 0.09% sodium azide)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of STIM1 in HeLa whole cell extract with STIM1 polyclonal antibody (Cat # PAB12017).

- Immunocytochemistry

- Immunofluorescence

Gene Info — STIM1

Entrez GeneID	6786
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Protein Accession#	Q13586
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Gene Name	STIM1
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Gene Alias	D11S4896E, GOK
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Gene Description	stromal interaction molecule 1
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Omim ID	605921
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Gene Ontology	Hyperlink
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Gene Summary	<p>This gene encodes a type 1 transmembrane protein that mediates Ca²⁺ influx after depletion of intracellular Ca²⁺ stores by gating of store-operated Ca²⁺ influx channels (SOCs). It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region, as well as early hematopoiesis, by mediating attachment to stromal cells. This gene is oriented in a head-to-tail configuration with the ribonucleotide reductase 1 gene (RRM1), with the 3' end of this gene situated 1.6 kb from the 5' end of the RRM1 gene</p>
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Other Designations	-
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Publication Reference

- [Extracellular and ER-stored Ca²⁺ contribute to BIRD-2-induced cell death in diffuse large B-cell lymphoma cells.](#)

Bittremieux M, La Rovere RM, Schuermans M, Luyten T, Mikoshiba K, Vangheluwe P, Parys JB, Bultynck G.

Cell Death Discovery 2018 Nov; 4:101.

Application: WB, Human, SU-DHL-4 cells