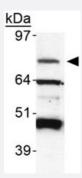


STIM1 polyclonal antibody

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) |
| Storage Buffer | The optimal working dilution should be determined by the end user. 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 shoul d 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 GenelD | <u>6786</u> |
| Protein Accession# | Q13586 |
| Gene Name | STIM1 |
| Gene Alias | D11S4896E, GOK |
| Gene Description | stromal interaction molecule 1 |
| Omim ID | 605921 |
| Gene Ontology | <u>Hyperlink</u> |
| Gene Summary | This gene encodes a type 1 transmembrane protein that mediates Ca2+ influx after depletion of i ntracellular Ca2+ stores by gating of store-operated Ca2+ influx channels (SOCs). It is one of sev eral genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gen e region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrom e, Wilms tumor, rhabdomyosarcoma, adrenocrotical carcinoma, and lung, ovarian, and breast can cer. 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 situate d 1.6 kb from the 5' end of the RRM1 gene |
| Other Designations | - |

Publication Reference



Product Information

• 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