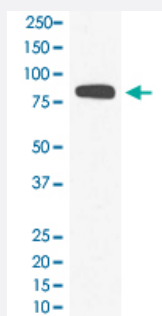


STIM1 monoclonal antibody, clone HEC-19

Catalog # MAB20756 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of HeLa cell lysate with STIM1 monoclonal antibody, clone HEC-19 (Cat # MAB20756).

Specification

Product Description Rabbit monoclonal antibody raised against synthetic peptide of human STIM1.

Immunogen A synthetic peptide corresponding to human STIM1.

Host Rabbit

Theoretical MW (kDa) 77.423

Reactivity Human

Form Liquid

Purification Affinity purification

Isotype IgG

Recommend Usage
Immunohistochemistry (1:50-1:200)
Immunoprecipitation (1:50)
Western Blot (1:1000-1:2000)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Storage Instruction

Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. 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 HeLa cell lysate with STIM1 monoclonal antibody, clone HEC-19 (Cat # MAB20756).

- Immunohistochemistry

- Immunoprecipitation

Gene Info — STIM1

Entrez GeneID[6786](#)**Protein Accession#**[Q13586](#)**Gene Name**

STIM1

Gene Alias

D11S4896E, GOK

Gene Description

stromal interaction molecule 1

Omim ID[605921](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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.

Other Designations

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