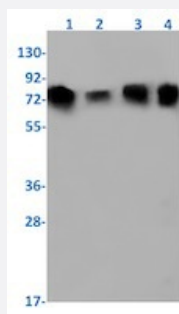


RecomAb™

STIM1 recombinant monoclonal antibody, clone R07-9F9

Catalog # RAB01887 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane1: MCF-7, Lane2: C6, Lane3: 3T3 and Lane4: HeLa lysates with STIM1 recombinant monoclonal antibody, clone R07-9F9 (Cat # RAB01887).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human STIM1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human STIM1.
Theoretical MW (kDa)	Calculated MW: 77 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

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

Western blot analysis of Lane1: MCF-7, Lane2: C6, Lane3: 3T3 and Lane4: Hela lysates with STIM1 recombinant monoclonal antibody, clone R07-9F9 (Cat # RAB01887).

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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