

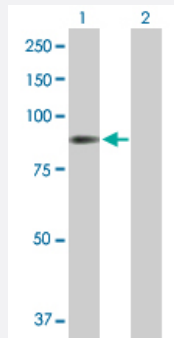
MaxPab®

# STIM1 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00006786-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of STIM1 expression in transfected 293T cell line ([H00006786-T02](#)) by STIM1 MaxPab polyclonal antibody.

Lane 1: STIM1 transfected lysate(77.40 KDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Mouse polyclonal antibody raised against a full-length human STIM1 protein.

### Immunogen

STIM1 (NP\_003147.2, 1 a.a. ~ 685 a.a) full-length human protein.

### Sequence

MDVCVRLALWLLWGLLLHQQQSLSHSHSEKATGTSSGANSEESTAAEFCDKPLCHSEDEKLS  
FEAVRNHKLMDDDANGDVDVEESDEFLREDLNYHDPTVKHSTFHGEDKLISVEDLWKAWKSSE  
VYNWTVDEVVQWLITYVELPQYEETFRKLQLSGHAMPRLAVTNTMTGTVLKMTDRSHRQKLQK  
ALDTVLFGPPLLTRHNHLKDFMLVVSIVGVGGCWFAYIQNRYSEKHMKKMMKDLEGLHRAEQSL  
HDLQERLHKAQEEHRTVEVEKVHLEKKLRDEINLAKQEAQRLKELREGTENERSRQKYAEEEE  
QVREALRKAKEKESHSWYAPEALQKWQLTHEVEVQYNIKKQNAEKQLLVAKEGAEKIKKKR  
NTLFGTFHVAHSSSLDDVDHKILTAKQALSEVTAALRERLHRWQQIEILCGFQVNNPGIHSVAAL  
NIDPSWMGSTRPNPAHFIMTDDVDDMDEEIVSPLSMQSPSLQSSVRQRLTEPQHGLGSQRDLTH  
SDSESSLHMSDRQRVAPKPPQMSRAADEALNAMTSNGSHRLIEGVHPGSLVEKLPDSPALAKK  
ALLALNHGLDKAHSMLSPSAPPGGSPHLDSSRSHPSSPDPTSPVGDSTRALQASRNTRIP  
HLAGKKAVAEEDNGSIGEETDSSPGRKKFPLKIFKKPLKK

### Host

Mouse

### Reactivity

Human

### Quality Control Testing

Antibody reactive against mammalian transfected lysate.

**Storage Buffer**

In 1x PBS, pH 7.4

**Storage Instruction**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — STIM1

**Entrez GeneID**
[6786](#)
**GeneBank Accession#**
[NM\\_003156](#)
**Protein Accession#**
[NP\\_003147.2](#)
**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 Ca<sup>2+</sup> influx after depletion of intracellular Ca<sup>2+</sup> stores by gating of store-operated Ca<sup>2+</sup> 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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