



STIM-1 Antibody

CATALOG NUMBER: 39-873

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC, WB
APPLICATIONS:	ELISA, Western (immuno) blotting, Immunostaining (in testing)
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	A synthetic peptide corresponding to a region near the N-terminus.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Affinity Purified
CLONALITY:	Polyclonal
ISOTYPE:	IgG
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	Stromal Interaction Molecule-1 , GOK, TAM, IMD10, D11S4896E
ACCESSION NO.:	EAX02580
PROTEIN GI NO.:	209572721
OFFICIAL SYMBOL:	STIM1
GENE ID:	6786

Background

BACKGROUND:	STIM-1 is a component of the Ca sensor/channel. It associates with ORAI-1 and form a essential complex involved in store-operated channels. STIM1 activates Ca(2+) influx via Orai1 channels. Expression of STIM and Orai proteins are found in many cell types and knock-out mice lack viability.
REFERENCES:	<p>1) Williams RT, Senior PV, Van Stekelenburg L, Layton JE, Smith PJ, Dziadek MA., Stromal interaction molecule 1 (STIM1), a transmembrane protein with growth suppressor activity, contains an extracellular SAM domain modified by N-linked glycosylation., <i>Biochim Biophys Acta</i>. 2002 Apr 1;1596(1):131-137</p> <p>2) Dziadek MA, Johnstone LS., Biochemical properties and cellular localisation of STIM proteins., <i>Cell Calcium</i>. 2007 Aug;42(2):123-32.</p> <p>3) Frischauf I, Schindl R, Derler I, Bergsmann J, Fahrner M, Romanin C.. The STIM/Orai coupling machinery., <i>Channels (Austin)</i>. 2008 Jul-Aug;2(4):261-8</p>

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