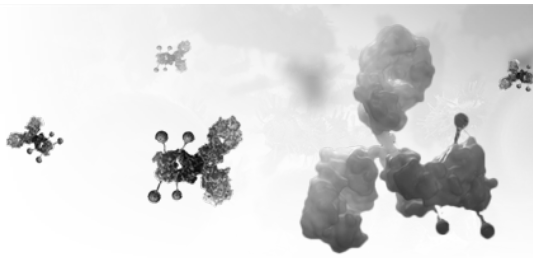

Anti-STIM1 polyclonal antibody (DPABH-23751)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Plays a role in mediating Ca(2+) influx following depletion of intracellular Ca(2+) stores. Acts as Ca(2+) sensor in the endoplasmic reticulum via its EF-hand domain. Upon Ca(2+) depletion, translocates from the endoplasmic reticulum to the plasma membrane where it activates the Ca(2+) release-activated Ca(2+) (CRAC) channel subunit, TMEM142A/ORAI1.
Specificity	At least two isoforms of Human STIM1 protein are known to exist. DPABH-23751 will detect only the larger of the two isoforms. This STIM1 antibody is predicted to have no cross-reactivity to STIM2.
Immunogen	Synthetic peptide corresponding to a region near the carboxy terminus of Human Stromal interaction molecule 1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, ELISA, IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.20; Constituents: 0.42% Potassium phosphate, 0.88% Sodium chloride
Preservative	0.01% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	STIM1 stromal interaction molecule 2 [Homo sapiens]
Official Symbol	STIM1
Synonyms	STIM1; stromal interaction molecule 1; GOK; TAM; IMD10; D11S4896E;
Entrez Gene ID	6786
Protein Refseq	NP_001264890.1
UniProt ID	G0XQ39
Pathway	Adaptive Immune System; Calcium signaling pathway; Elevation of cytosolic Ca2+ levels; Immune System
Function	calcium channel regulator activity; calcium ion binding; identical protein binding; microtubule plus-end binding

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