

Product datasheet for **AP05701PU-N**

STIM2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 0.5 - 1.0 µg/ml; detects a band of approximately 105kDa in A20 cell lysates. Immunohistochemistry on paraffin sections (requires antigen retrieval using heat treatment prior to staining).
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A 17 amino acid peptide located near the centre of human STIM2.
Specificity:	This antibody recognises an internal region of stromal interaction molecule-2 (STIM2), a ubiquitously expressed type I membrane protein, of which at least three isoforms have been identified.
Formulation:	Phosphate buffered saline containing 0.02% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for up to one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	stromal interaction molecule 2
Database Link:	Entrez Gene 116873 Mouse Entrez Gene 117087 Rat Entrez Gene 57620 Human Q9P246



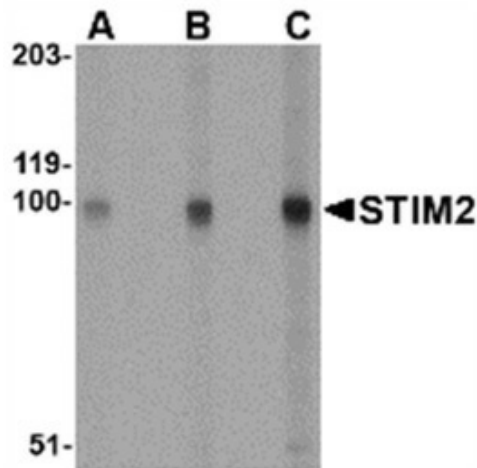
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Background:

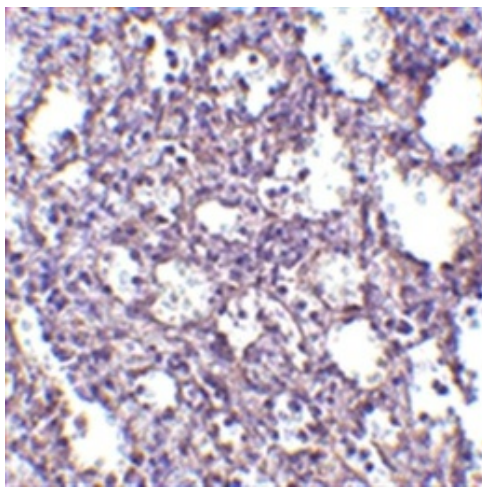
In T-lymphocytes and other haematopoietic cells, the mechanism for increasing intracellular Ca²⁺, following antigen mediated T-cell activation, is through the store-operated Ca²⁺ release-activated Ca²⁺ (CRAC) channels. STIM1 is reported to activate CRAC channels upon Ca²⁺ depletion. Whereas, STIM2 acts to inhibit the STIM1-mediated store-operated Ca²⁺ entry, and forms complexes with STIM1, suggesting that these molecules may play a co-ordinated role in controlling Ca²⁺ entry.

Synonyms:

Stromal interaction molecule 2, KIAA1482

Product images:


Western blot analysis of whole cell lysate from A20 mouse B-cell lymphoma cells probed with Rabbit anti Human STIM2 at 0.5 (A), 1 (B) and 2 (C) ug/ml



Formalin fixed, paraffin embedded human spleen stained with Rabbit anti Human STIM2 following heat mediated antigen retrieval using sodium citrate buffer (pH6.0)