

Datasheet for ABIN535243
anti-STIM1 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	100 µg
Target:	STIM1
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This STIM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Purpose:	Mouse monoclonal antibody raised against synthetic peptide of STIM1.
Immunogen:	A synthetic peptide corresponding to C-terminus of STIM1.
Clone:	CDN3H4
Isotype:	IgG1
Specificity:	This antibody reacts with human and rodent STIM1, a 84 KDa essential and conserved regulator of store-operated Ca^{2+} channel function.
Cross-Reactivity:	Human, Mouse, Rat

Target Details

Target:	STIM1
Alternative Name:	STIM1 / GOK (STIM1 Products)
Pathways:	TCR Signaling , BCR Signaling

Application Details

Application Notes:	Western Blot (1 µg/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 µg/mL) The optimal working dilution should be determined by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	In PBS, pH 7.4 (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 4°C. Do not freeze.

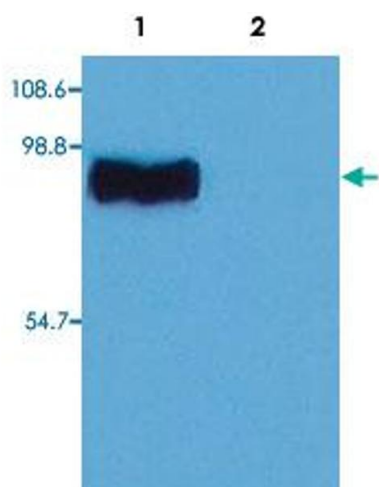
Publications

Product cited in:	<p>Nowak, Madej, Dziegiel: "Expression of E-cadherin, beta-catenin and Ki-67 antigen and their reciprocal relationships in mammary adenocarcinomas in bitches." in: Folia histochemica et cytobiologica / Polish Academy of Sciences, Polish Histochemical and Cytochemical Society, Vol. 45, Issue 3, pp. 233-8, (2007) (PubMed).</p> <p>Jung, Chung, Kim, Kim, Heo, Ahn, Hwang, Kim, Lee, Kim, Kim, Chang: "Epstein-Barr virus, beta-catenin, and E-cadherin in gastric carcinomas." in: Journal of Korean medical science, Vol. 22, Issue 5, pp. 855-61, (2007) (PubMed).</p> <p>Valenta, Lukas, Doubravska, Fafilek, Korinek: "HIC1 attenuates Wnt signaling by recruitment of</p>
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TCF-4 and beta-catenin to the nuclear bodies." in: **The EMBO journal**, Vol. 25, Issue 11, pp. 2326-37, (2006) ([PubMed](#)).

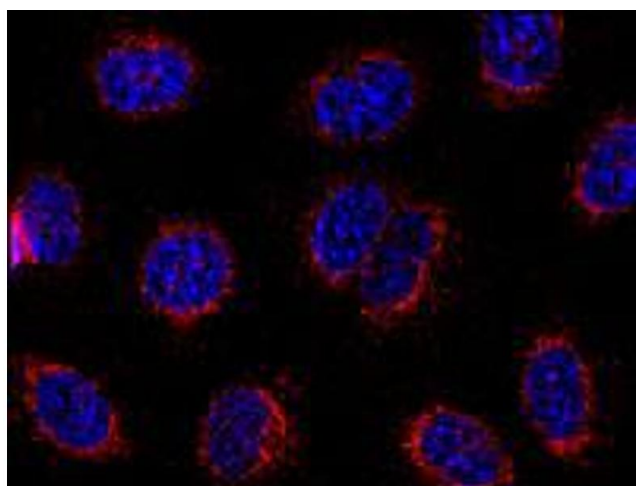
Valenta, Lukas, Korinek: "HMG box transcription factor TCF-4's interaction with CtBP1 controls the expression of the Wnt target Axin2/Conductin in human embryonic kidney cells." in: **Nucleic acids research**, Vol. 31, Issue 9, pp. 2369-80, (2003) ([PubMed](#)).

Images



Western Blotting

Image 1. Western Blotting analysis (non-reducing conditions) of whole cell lysate of RBL (rat basophilic leukemia cell line). Lane 1 : Immunostaining with STIM1 monoclonal antibody, clone CDN3H4 . Lane 2 : Immunostaining with Isotype mouse IgG1 control.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells using STIM1 monoclonal antibody, clone CDN3H4 . Preparation by methanol-aceton fixation and detection by Goat anti-mouse IgG1 Alexa Fluor® (red). Nuclei were stained with DAPI (blue).