

# Product Datasheet

## STIM1 Antibody - BSA Free

### NBP1-84322

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



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**NBP1-84322**

STIM1 Antibody - BSA Free

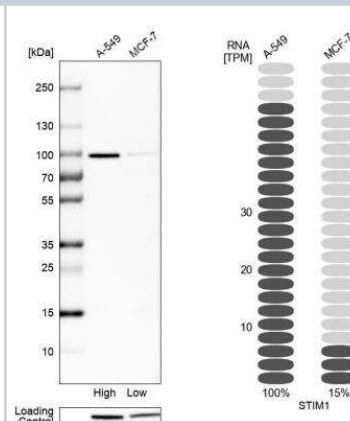
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6786
<b>Gene Symbol</b>	STIM1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 24621671).
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: VHPGSLVEKLPDSPALAKKALLALNHGLDKAHSLMELSPSAPPGGSPHLDSSR SHSPSSPDPDTPSPVGDSRALQASRNTRIPHLAGKKAVAEEDNGSIGEETDSS PGRKKFPLKIFK

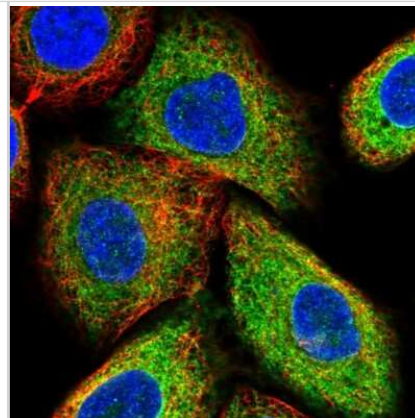
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	IHC reported in scientific literature (PMID: 24621671). For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

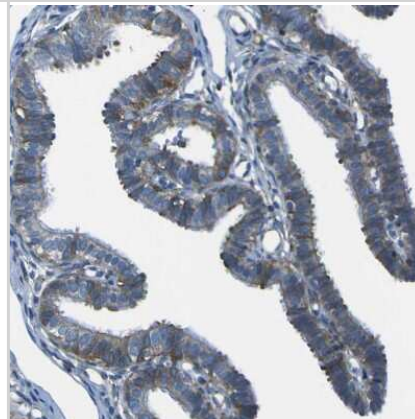
Western Blot: STIM1 Antibody [NBP1-84322] - Analysis in human cell lines A-549 and MCF-7. Corresponding RNA-seq data are presented for the same cell lines. Loading control: Anti-HSP90B1.



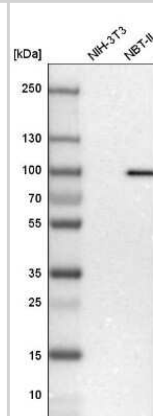
Immunocytochemistry/Immunofluorescence: STIM1 Antibody [NBP1-84322] - Staining of human cell line A549 shows localization to endoplasmic reticulum. Antibody staining is shown in green.



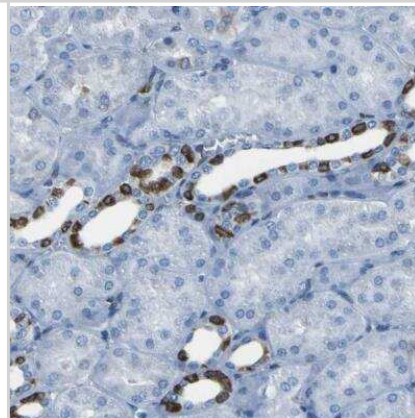
Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human fallopian tube shows strong cytoplasmic positivity in glandular cells.



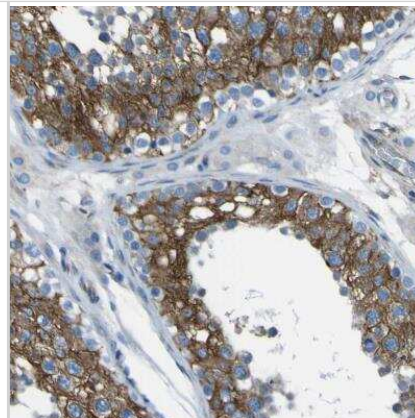
Western Blot: STIM1 Antibody [NBP1-84322] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



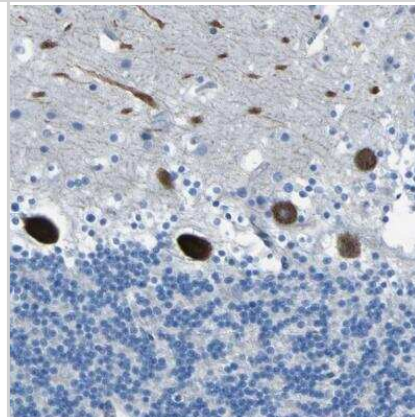
Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human kidney shows strong cytoplasmic positivity in cells in tubules.



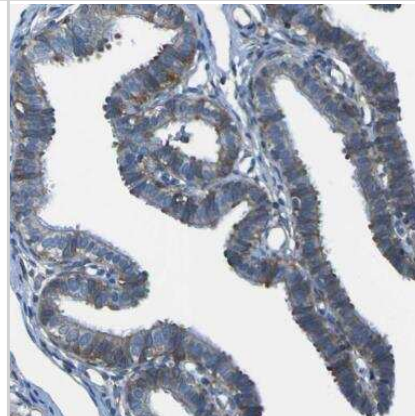
Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts..



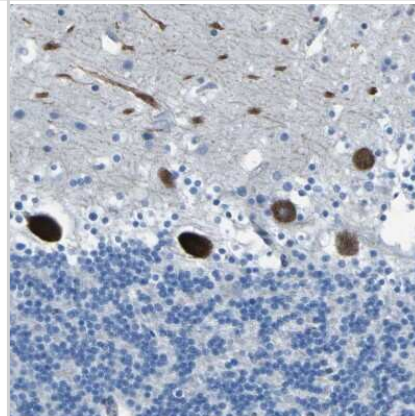
Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



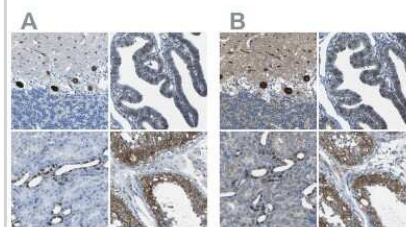
Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human fallopian tube shows strong cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: STIM1 Antibody [NBP1-84322] - Staining of human cerebellum, fallopian tube, kidney and testis using Anti-STIM1 antibody NBP1-84322 (A) shows similar protein distribution across tissues to independent antibody NBP1-84323 (B).



## Publications

Wang S, Choi M, Richardson AS et al. STIM1 and SLC24A4 Are Critical for Enamel Maturation. J Dent Res 2014-07-01 [PMID: 24621671] (IF/IHC, Mouse)





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### **Products Related to NBP1-84322**

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NBP1-84322PEP	STIM1 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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