Product Datasheet

VAV3 Antibody
NB300-817

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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Publications: 1

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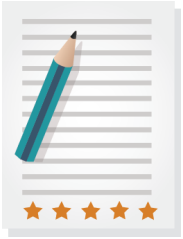


NB300-817

VAV3 Antibody

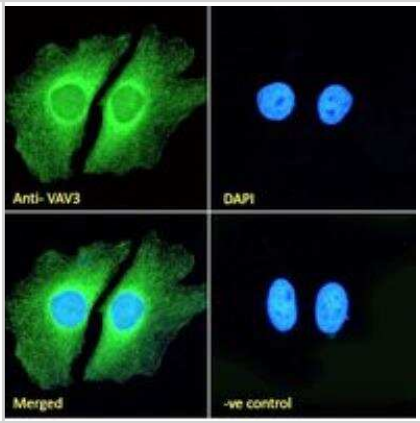
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat VAV3 Antibody (NB300-817) is a polyclonal antibody validated for use in IHC, ELISA, Flow and ICC/IF. Anti-VAV3 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	10451
Gene Symbol	VAV3
Species	Human
Specificity/Sensitivity	This antibody is expected to recognize both reported isoforms (NP_006104.4; NP_001073343.1).
Immunogen	Peptide with sequence CSGEQGTLKLPEK corresponding to internal region according to NP_006104.4, NP_001073343.1.

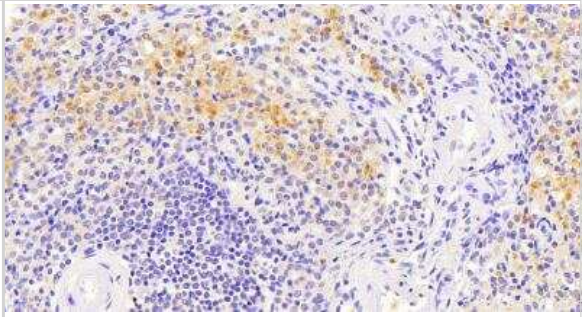
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Flow Cytometry 10 ug/mL, Immunohistochemistry 7.5ug/ml, Immunocytochemistry/ Immunofluorescence 10ug/ml, Immunohistochemistry-Paraffin 7.5 ug/mL, Peptide ELISA Detection limit 1:32000

Images

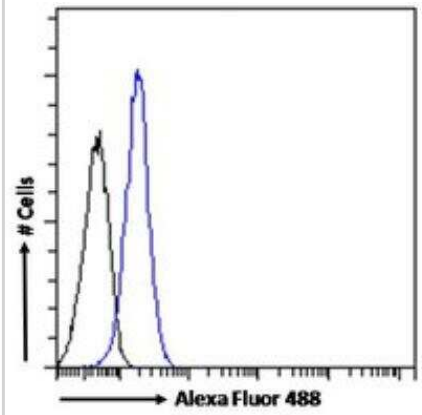
Immunocytochemistry/Immunofluorescence: VAV3 Antibody [NB300-817] - Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



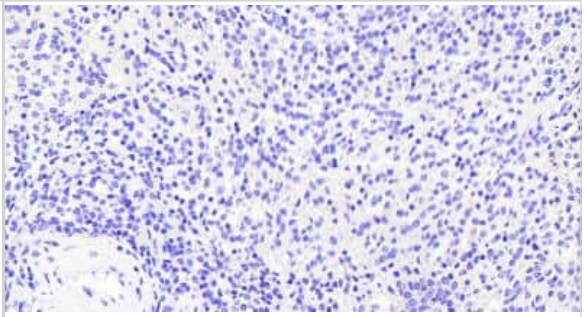
Immunohistochemistry-Paraffin: VAV3 Antibody [NB300-817] - Staining of paraffin embedded Human Spleen. Antibody at 7.5 ug/mL. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Flow Cytometry: VAV3 Antibody [NB300-817] - Flow cytometric analysis of paraformaldehyde fixed K562 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (1 ug/mL). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



Immunohistochemistry-Paraffin: VAV3 Antibody [NB300-817] - Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



Publications

Movilla N, Bustelo XR. Biological and regulatory properties of Vav-3, a new member of the Vav family of oncoproteins. Mol Cell Biol 1999-11-01 [PMID: 10523675]

Procedures

Serum protocol for VAV3 Antibody (NB300-817)
Cell lysis protocol for VAV3 Antibody (NB300-817):
Lysis:

Cell pellets were washed with ice-cold PBS. 1 ml of RIPA buffer was added per 1E8 cells and incubated on ice for 20 min, vortexing 2-3 times, briefly. The lysate was aliquotted into 1.5 ml microfuge tubes and centrifuged at 13,000 rpm for 5 min in a microfuge. The supernatant was transferred into clean tubes and its protein concentration was measured with BioRad protein assay. The concentration was then adjusted to 5 mg/ml with RIPA lysis buffer. An equal volume of 2 x SDS sample buffer was then added and the cell lysate was boiled for 5 minutes. Lysates were stored at -80C until use.(RIPA buffer = 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1 mM PMSF, 1 mM EDTA, 5 ug/ml Aprotinin, 5 ug/ml Leupeptin, 1% Triton X-100, 1% Sodium deoxycholate, 0.1% SDS).

Tissue Lysis:

Tissue chunks were weighed and cut into approx 1mm cubes using a razor blade. The tissue was transferred to a handheld homogenizer and 3 ml of ice-cold RIPA buffer was added per 1g of tissue. The tissue was gently homogenised over 20 minutes on ice. The resulting lysate was aliquotted into 1.5 ml microfuge tubes and centrifuged at 13,000 rpm for 5 min in a microfuge. The supernatant was transferred into clean tubes and its protein concentration was measured with BioRad protein assay. The concentration was then adjusted to 5 mg/ml with RIPA lysis buffer. An equal volume of 2 x SDS sample buffer was added and the cell lysate was boiled for 5 minutes. Lysates were stored at -80C until use.(RIPA buffer = 50 mM Tris-HCl pH 7.4, 150 mM NaCl, 1 mM PMSF, 1 mM EDTA, 5 ug/ml Aprotinin, 5 ug/ml Leupeptin, 1% Triton X-100, 1% Sodium deoxycholate, 0.1% SDS).

SDS PAGE:

Samples were run at 200V constant on a 12% acrylamide SDS-PAGE mini gel - using Biorad Mini-Protean 3 kit and protocols. Before loading samples had 5% (v/v) 2-ME added and were boiled for 3 minutes.

Transfer:

We used a Biorad Mini Trans-Blot, constant 100 V for 1 hour. Transfer Buffer was 20 mM Tris pH 8.0, 150 mM Glycine, 10% Methanol. We transferred to Millipore PVDF membrane and stained with Ponceau Red to evaluate the transfer.

Staining:

The membrane was blocked in 2.5% skimmed milk in TBS-T (TBS + 0.05% Tween-20) for 1 hr at room temperature with agitation. Primary antibody was incubated for 1 hr at room temperature with agitation. We used anti-goat-HRP Product at 1:3000 for 1 hr at room temperature with agitation. We washed with TBST three times after primary and secondary antibody, each wash lasting for 5-10 mins. ECL-plus (Amersham) was used rather than ECL, which is considerably more sensitive. Final detection was on autoradiography film.

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Products Related to NB300-817

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-07663	VAV3 Overexpression Lysate

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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