

Datasheet for ABIN6256653
anti-VAV1 antibody (pTyr174)[Go to Product page](#)

4 Images

1 Publication

Overview

Quantity:	100 µL
Target:	VAV1
Binding Specificity:	pTyr174
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAV1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Immunogen:	A synthesized peptide derived from human VAV1 around the phosphorylation site of Tyr174.
Isotype:	IgG
Specificity:	Phospho-VAV1 (Tyr174) Antibody detects endogenous levels of VAV1 only when phosphorylated at Tyrosine 174.
Predicted Reactivity:	Pig,Bovine,Horse,Sheep,Rabbit,Dog
Purification:	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.

Target Details

Target:	VAV1
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Target Details

Alternative Name:	VAV1 (VAV1 Products)
Background:	Description: Couples tyrosine kinase signals with the activation of the Rho/Rac GTPases, thus leading to cell differentiation and/or proliferation. Gene: VAV1
Molecular Weight:	95kDa
Gene ID:	7409
UniProt:	P15498
Pathways:	TCR Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , CXCR4-mediated Signaling Events , BCR Signaling

Application Details

Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Store at -20 °C. Stable for 12 months from date of receipt.
Expiry Date:	12 months

Publications

Product cited in:	Qin, Qiao, Wang, Li, Li, Gong, Zhang, Fu: "An Extracellular Matrix-Mimicking Hydrogel for Full Thickness Wound Healing in Diabetic Mice." in: Macromolecular bioscience , Vol. 18, Issue 7, pp. e1800047, (2018) (PubMed).
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Images

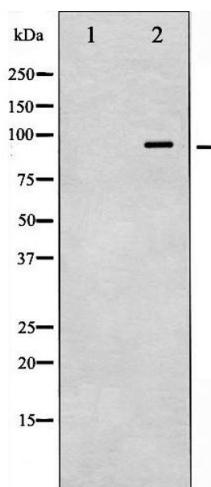
**Western Blotting**

Image 1. Western blot analysis of VAV1 phosphorylation expression in K562 whole cell lysates. The lane on the left is treated with the antigen-specific peptide.

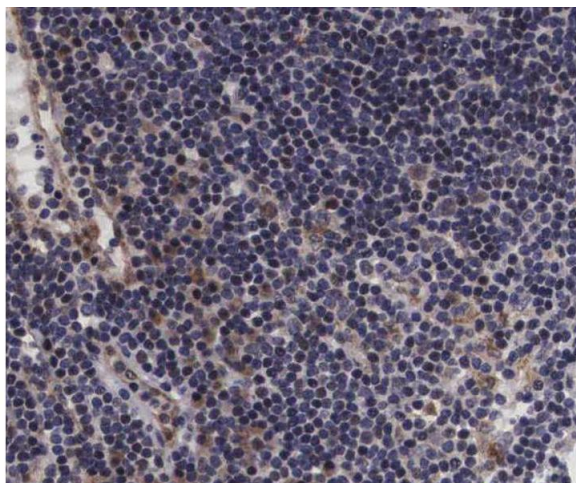
**Immunohistochemistry**

Image 2. ABIN6267393 at 1/200 staining human lymph node tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

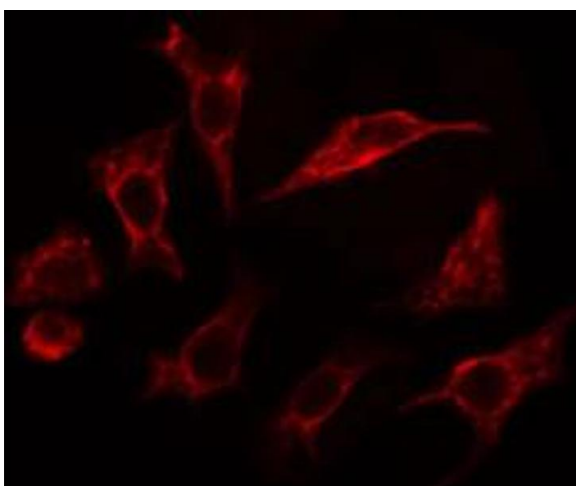
**Immunofluorescence (fixed cells)**

Image 3. ABIN6267393 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6256653.