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Datasheet for ABIN5012325
anti-VAV3 antibody (pTyr141) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	VAV3
Binding Specificity:	pTyr141
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VAV3 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human VAV3 around the phosphorylation site of Tyr141
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Sheep,Horse
Purification:	Purified by Protein A.

Target Details

Target:	VAV3
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Target Details

Alternative Name: VAV3 ([VAV3 Products](#))

Background: Synonyms: VAV3phospho Y141, Guanine nucleotide exchange factor VAV3, Protein vav 3, Protein vav3, VAV 3, Vav 3 guanine nucleotide exchange factor, VAV 3 oncogene, VAV 3 protein, VAV-3, Vav3, VAV3 oncogene, VAV3 protein, VAV3_HUMAN.

Background: The Vav family of Rho guanine nucleotide exchange factors (GEFs) orchestrate signaling events following lymphocyte antigen receptor activation. Vav3, like Vav (also known as Vav1 or p95Vav), undergoes tyrosine phosphorylation downstream of T cell receptor cross-linkage, and subsequently interacts with 2 adaptor molecules, SLP76 and 3BP2. Following these events, however, the paths of Vav and Vav3 diverge, Vav affects IL-2 promoter activity, while Vav3 impacts gene transcription linked to serum response element (SRE). Furthermore, Vav3 expression follows a cell cycle-dependent pattern, with transient upregulation occurring during mitosis. Enforced Vav3 expression leads to the appearance of multinucleate cells, implicating a role for Vav3 in the control of cytokinesis.

Gene ID: 10451

Pathways: [Fc-epsilon Receptor Signaling Pathway](#), [Neurotrophin Signaling Pathway](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months