

Anti-VAV3 Rabbit Monoclonal Antibody
Catalog # ABO15754

Specification

Anti-VAV3 Rabbit Monoclonal Antibody - Product Information

Application	WB, IF, ICC, IP, FC
Primary Accession	Q9UKW4
Host	Rabbit
Isotype	IgG
Reactivity	Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-VAV3 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse.

Anti-VAV3 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10451

Other Names

Guanine nucleotide exchange factor VAV3, VAV-3, VAV3

Calculated MW

98 kDa KDa

Application Details

WB 1:500-1:2000
ICC/IF 1:50-1:200
IP 1:50
FC 1:40.

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human VAV3

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-VAV3 Rabbit Monoclonal Antibody - Protein Information

Name VAV3

Function

Exchange factor for GTP-binding proteins RhoA, RhoG and, to a lesser extent, Rac1. Binds physically to the nucleotide-free states of those GTPases. Plays an important role in angiogenesis. Its recruitment by phosphorylated EPHA2 is critical for EFNA1-induced RAC1 GTPase activation and vascular endothelial cell migration and assembly (By similarity). May be important for integrin-mediated signaling, at least in some cell types. In osteoclasts, along with SYK tyrosine kinase, required for signaling through integrin alpha-v/beta-1 (ITAGV-ITGB1), a crucial event for osteoclast proper cytoskeleton organization and function. This signaling pathway involves RAC1, but not RHO, activation. Necessary for proper wound healing. In the course of wound healing, required for the phagocytotic cup formation preceding macrophage phagocytosis of apoptotic neutrophils. Responsible for integrin beta-2 (ITGB2)-mediated macrophage adhesion and, to a lesser extent, contributes to beta-3 (ITGB3)-mediated adhesion. Does not affect integrin beta-1 (ITGB1)-mediated adhesion (By similarity).

Tissue Location

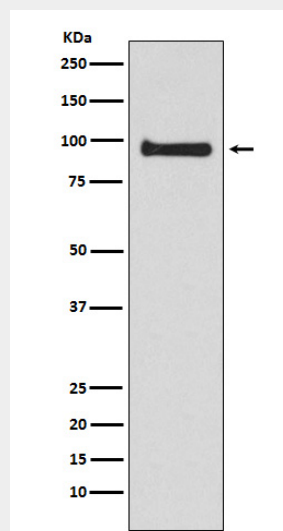
Isoform 1 and isoform 3 are widely expressed; both are expressed at very low levels in skeletal muscle. In keratinocytes, isoform 1 is less abundant than isoform 3. Isoform 3 is detected at very low levels, if any, in adrenal gland, bone marrow, spleen, fetal brain and spinal chord; in these tissues, isoform 1 is readily detectable.

Anti-VAV3 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-VAV3 Rabbit Monoclonal Antibody - Images



Western blot analysis of VAV3 expression in Jurkat cell lysate.