

Immunotag™ Phospho-VAV3(Tyr173) Antibody

Antibody Specification	
Catalog No.	ITA0032
Product Description	Immunotag™ Phospho-VAV3(Tyr173) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-VAV3(Tyr173)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human VAV3 around the phosphorylation site of Tyrosine 173
Specificity	Phospho-VAV3(Tyr173) Antibody detects endogenous levels of VAV3 only when phosphorylated at Tyrosine 173
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	VAV3
Accession No.	Q9UKW4
Alternate Names	FLJ40431; Guanine nucleotide exchange factor VAV3; Protein vav 3; Protein vav3; RGD1565941; VAV 3; Vav 3 guanine nucleotide exchange factor; VAV 3 oncogene; VAV 3 protein; VAV-3; Vav3; VAV3 oncogene; VAV3 protein; VAV3_HUMAN;

## Antibody Specification

Description	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).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	100kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.