

ARG66850 anti-VAV2 phospho (Tyr142) antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes VAV2 phospho (Tyr142)
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Specificity	This antibody detects endogenous levels of VAV2 protein only when phosphorylated at Tyr142.
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	VAV2
Species	Human
Immunogen	Phosphospecific peptide around Tyr142 (aa. 108-157) of Human VAV2.
Conjugation	Un-conjugated
Alternate Names	Guanine nucleotide exchange factor VAV2; VAV-2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200 - 1:1000
	IHC-P	1:100 - 1:300
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	K562 + TNF HeLa + TNF	
Observed Size	~ 100 kDa	

Properties

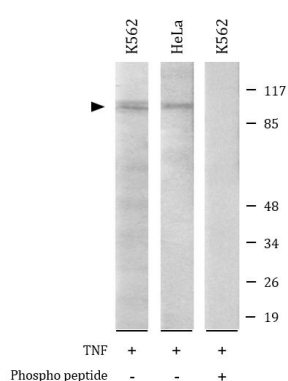
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.02% Sodium azide, 50% Glycerol and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol and 0.5% BSA
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

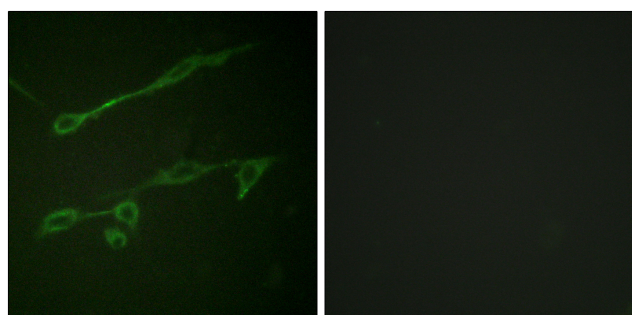
Gene Symbol	VAV2
Gene Full Name	vav 2 guanine nucleotide exchange factor
Background	VAV2 is the second member of the VAV guanine nucleotide exchange factor family of oncogenes. Unlike VAV1, which is expressed exclusively in hematopoietic cells, VAV2 transcripts were found in most tissues. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]
Function	Guanine nucleotide exchange factor for the Rho family of Ras-related 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). [UniProt]
Calculated Mw	101 kDa
PTM	Phosphorylated on tyrosine residues in response to FGR activation. [UniProt]

Images



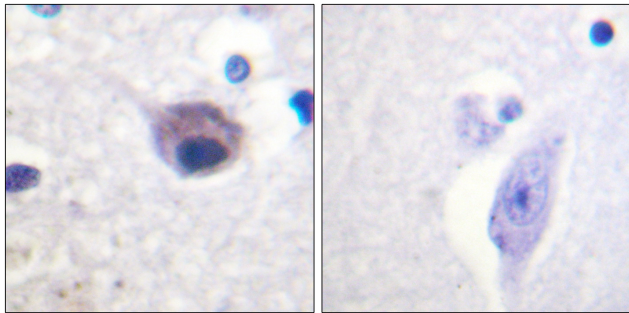
ARG66850 anti-VAV2 phospho (Tyr142) antibody WB image

Western blot: HeLa and K562 cells treated with TNF (20 ng/ml for 30 min). Cell lysates were stained with ARG66850 anti-VAV2 phospho (Tyr142) antibody. The lane on the right is blocked with the phospho peptide.



ARG66850 anti-VAV2 phospho (Tyr142) antibody ICC/IF image

Immunofluorescence: NIH/3T3 cells stained with ARG66850 anti-VAV2 phospho (Tyr142) antibody. The picture on the right is blocked with the phospho peptide.



ARG66850 anti-VAV2 phospho (Tyr142) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human brain tissue stained with ARG66850 anti-VAV2 phospho (Tyr142) antibody. The picture on the right is blocked with the phospho peptide.