

Goat Anti-VAV2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2141a**Specification**

Goat Anti-VAV2 Antibody - Product Information

Application	WB, IHC, E
Primary Accession	P52735
Other Accession	NP_003362 , 7410 , 22325 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	101289

Goat Anti-VAV2 Antibody - Additional Information**Gene ID** 7410**Other Names**

Guanine nucleotide exchange factor VAV2, VAV-2, VAV2

Dilution

WB~~1:1000

IHC~~1:100~500

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-VAV2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-VAV2 Antibody - Protein Information**Name** VAV2**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).

Tissue Location

Widely expressed.

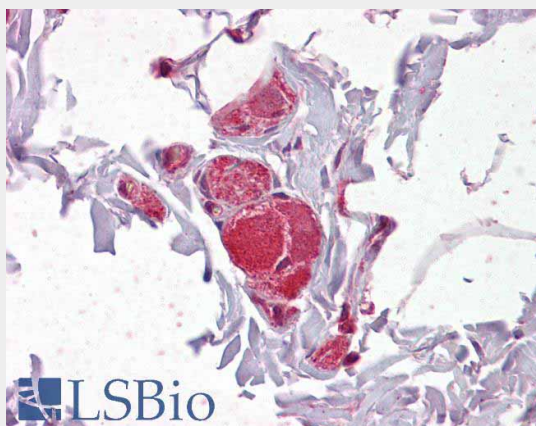
Goat Anti-VAV2 Antibody - Protocols

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](#)

Goat Anti-VAV2 Antibody - Images

AF2141a staining (1.5 µg/ml) of 293 lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 1 hour. Detected by western blot using chemiluminescence.



AF2141a (2.5 µg/ml) staining of paraffin embedded Human Colon. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-VAV2 Antibody - 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.

Goat Anti-VAV2 Antibody - References

Evidence for VAV2 and ZNF433 as susceptibility genes for multiple sclerosis. Nischwitz S, et al. J Neuroimmunol, 2010 Oct 8. PMID 20598377.
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Balanced Vav2 GEF activity regulates neurite outgrowth and branching in vitro and in vivo. Moon MS, et al. Mol Cell Neurosci, 2010 Jun. PMID 20298788.
VAV2 regulates epidermal growth factor receptor endocytosis and degradation. Thalappilly S, et al. Oncogene, 2010 Apr 29. PMID 20140013.
Mutation of ARHGAP9 in patients with coronary spastic angina. Takefuji M, et al. J Hum Genet, 2010 Jan. PMID 19911011.