

**Product Name: Vav2 (phospho Tyr142) Rabbit Polyclonal Antibody**  
**Catalog #: APRab05615**

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## Summary

|                        |                                                  |
|------------------------|--------------------------------------------------|
| <b>Production Name</b> | Vav2 (phospho Tyr142) Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody                       |
| <b>Host</b>            | Rabbit                                           |
| <b>Application</b>     | IF,IHC,WB,ELISA                                  |
| <b>Reactivity</b>      | Human,Mouse                                      |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Phospho Antibody                                                                         |
| <b>Isotype</b>      | IgG                                                                                      |
| <b>Clonality</b>    | Polyclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.       |
| <b>Purification</b> | Affinity purification                                                                    |

## Immunogen

|                          |                                                                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | VAV2                                                                                                                                              |
| <b>Alternative Names</b> | VAV2; Guanine nucleotide exchange factor VAV2; VAV-2                                                                                              |
| <b>Gene ID</b>           | 7410.0                                                                                                                                            |
| <b>SwissProt ID</b>      | P52735.The antiserum was produced against synthesized peptide derived from human VAV2 around the phosphorylation site of Tyr142. AA range:108-157 |

## Application

|                         |                                                                                                                |
|-------------------------|----------------------------------------------------------------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications. |
| <b>Molecular Weight</b> | 101kD                                                                                                          |

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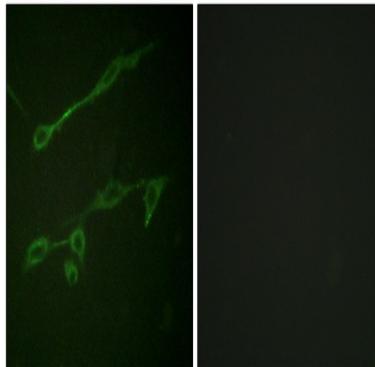
## Background

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.,similarity:Contains 1 CH (calponin-homology) domain.,similarity:Contains 1 DH (DBL-homology) domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 phorbol-ester/DAG-type zinc finger.,similarity:Contains 1 SH2 domain.,similarity:Contains 2 SH3 domains.,tissue specificity:Widely expressed.,

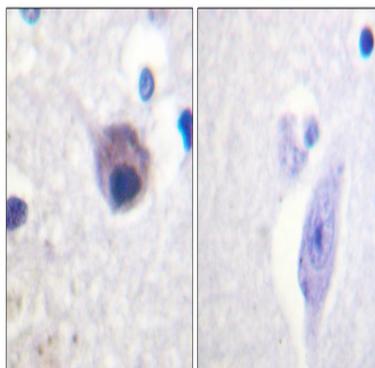
## Research Area

Regulation of Actin Dynamics; AMPK

## Image Data

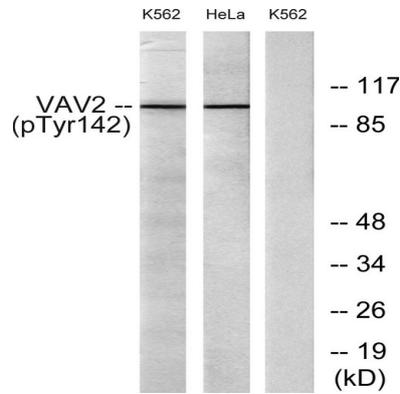


Immunofluorescence analysis of NIH/3T3 cells, using VAV2 (Phospho-Tyr142) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using VAV2 (Phospho-Tyr142) Antibody. The picture on the right is blocked with the phospho peptide.

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Western blot analysis of lysates from HeLa cells and K562 cells treated with TNF 20ng/ml 30', using VAV2 (Phospho-Tyr142) Antibody. The lane on the right is blocked with the phospho peptide.

### Note

For research use only.