

# Anti-Vav2 (Tyr-172) [conserved site], Phosphospecific Antibody

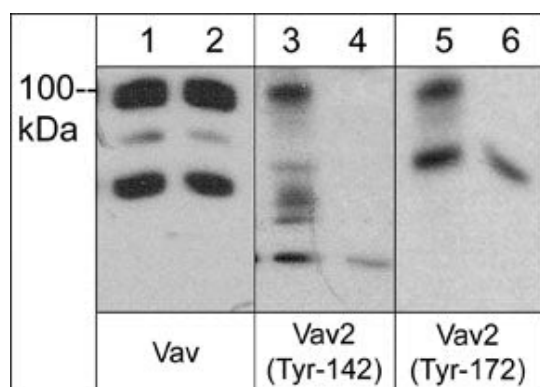


## Product Details

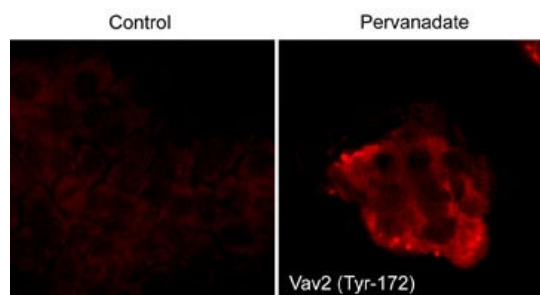
|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Available Variants | 100 µL (SKU:VP2641)                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Conjugate          | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Isotype            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | VAV2                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Host Species       | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Format             | Antigen Affinity Purified                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Physical State     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Buffer             | PBS + 1 mg/ml BSA, 0.05% NaN <sub>3</sub> and 50% glycerol                                                                                                                                                                                                                                                                                                                                                                                            |
| Applications       | ELISA, ICC, WB                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dilution Ranges    | WB: 1:1000<br>ICC: 1:100                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen          | Phospho-Vav2 (Tyr-172) synthetic peptide (coupled to KLH) corresponding to amino acid residues surrounding Tyr-172 in mouse Vav2. This sequence has high homology with similar regions in rat and human Vav2, and has significant homology to the conserved site in Vav1 and Vav3.                                                                                                                                                                    |
| Specificity        | This antibody was cross-adsorbed to unphosphorylated Vav2 (Tyr-172) peptide before affinity purification using phospho-Vav2 (Tyr-172) peptide (without carrier). The antibody detects a 100 kDa* band corresponding to Vav on SDS-PAGE immunoblots of human A431 cells treated with EGF and detects Vav1, Vav2, and Vav3 in Jurkat cells treated with pervanadate. The antibody does not detect these Vavs after treatment with alkaline phosphatase. |
| Molecular Weight   | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Quality Control</b>                         | Western blots performed on each lot.                                                                                                                                   |
| <b>Storage</b>                                 | Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.                 |
| <b>UniProt ID</b>                              | <u><a href="#">Q60992</a></u>                                                                                                                                          |
| <b>Country of Origin</b>                       | United States                                                                                                                                                          |
| <b>Shipping</b>                                | Blue Ice                                                                                                                                                               |
| <b>Expiration</b>                              | After date of receipt, stable for at least 1 year at -20°C.                                                                                                            |
| <b>Usage Statement</b>                         | For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website. |
| <b>Post Translational Modification Type</b>    | Phosphorylated                                                                                                                                                         |
| <b>Post Translational Modification Residue</b> | Tyr-172                                                                                                                                                                |

## Product Images



Western blot of human A431 cells treated with EGF (lanes 1, 3, & 5) then the blot was exposed to alkaline phosphatase (lanes 2, 4, & 6). The blots were probed with anti-Vav (a.a. 165-174) (lanes 1 & 2), anti-Vav2 (Tyr-142) (lanes 3 & 4), or anti-Vav2 (Tyr-172) (lanes 5 & 6).



Immunocytochemical labeling of VAV2 in control and pervanadate-treated human A431 cells. The cells were fixed in paraformaldehyde and permeabilized using NP-40. Then labeled with rabbit polyclonal Vav2 (Tyr-172). The antibody was detected using goat anti-rabbit DyLight® 594.



Created on 01. September 2026 | All information without guarantee