

## 11-4056: Polyclonal Antibody to VAV2

|                                |                                                                                                              |
|--------------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Clonality :</b>             | Polyclonal                                                                                                   |
| <b>Application :</b>           | WB                                                                                                           |
| <b>Reactivity :</b>            | Human                                                                                                        |
| <b>Gene :</b>                  | VAV2                                                                                                         |
| <b>Gene ID :</b>               | 7410                                                                                                         |
| <b>Uniprot ID :</b>            | P52735                                                                                                       |
| <b>Format :</b>                | Purified                                                                                                     |
| <b>Alternative Name :</b>      | VAV2                                                                                                         |
| <b>Isotype :</b>               | Rabbit IgG                                                                                                   |
| <b>Immunogen Information :</b> | A partial length recombinant VAV2 protein (amino acids 610-824) was used as the immunogen for this antibody. |

### Description

Vav2 is a member of the Vav family that serves as a GRF (guanine nucleotide exchange factor) for the Rho family of Ras-related GTPases. It is widely expressed and regulates processes including cell migration, neuronal development and phagocytosis through interactions with different proteins. Vav2, a GEF for Rac1, RhoA, and Cdc42, is shown to be regulated by a phosphorylation-dependent interaction with PKL (Paxillin kinase linker). PKL is required for Vav2 activation downstream of integrin engagement and epidermal growth factor (EGF) stimulation. During the process of spinal neurons, the Vav2 activity is necessary for optimal neurite outgrowth and promotes branching by targeting GEF activity to branch points.

### Product Info

|                            |                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Amount :</b>            | 25 µg / 100 µg                                                                                                                |
| <b>Purification :</b>      | Protein A Chromatography                                                                                                      |
| <b>Content :</b>           | 25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.                |
| <b>Storage condition :</b> | Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles. |

### Application Note

Western blot analysis: 1-2 µg/ml

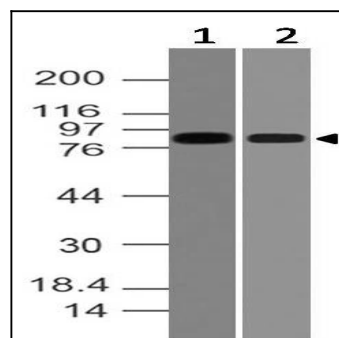


Fig-1: Western blot analysis of VAV2. Anti-VAV2 antibody (11-4056) was used at 1 µg/ml on (1) U87 and (2) h Testis lysates.