bs-4167R

VAV1 Rabbit pAb

[Primary Antibody]

Bioss™
ANTIBODIES

— DATASHEET ——

Host: Rabbit　　　　　　**Isotype:** IgG

Clonality: Polyclonal

GeneID: 7409　　　　　　**SWISS:** P15498

Target: VAV1

Immunogen: KLH conjugated synthetic peptide derived from human VAV1: 741-845/845.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the VAV gene family. The VAV proteins are guanine nucleotide exchange factors (GEFs) for Rho family GTPases that activate pathways leading to actin cytoskeletal rearrangements and transcriptional alterations. The encoded protein is important in hematopoiesis, playing a role in T-cell and B-cell development and activation. The encoded protein has been identified as the specific binding partner of Nef proteins from HIV-1. Coexpression and binding of these partners initiates profound morphological changes, cytoskeletal rearrangements and the JNK/SAPK signaling cascade, leading to increased levels of viral transcription and replication. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Apr 2012].

Applications: **ELISA** (1:5000-10000)

Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Horse)

Predicted MW.: 98 kDa

Subcellular Location: Cell membrane ,Cytoplasm

— SELECTED CITATIONS ——

- **[IF=8.4]** Liao Zhaohong. et al. Myofiber directs macrophages IL-10-Vav1-Rac1 efferocytosis pathway in inflamed muscle following CTX myoinjury by activating the intrinsic TGF-β signaling. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 ICC ;Mouse. 37403092