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## phospho-VAV1 (Tyr174) Rabbit pAb

Catalog Number: bs-5594R

Target Protein: phospho-VAV1 (Tyr174)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

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

Predicted MW: 98 kDa

Entrez Gene: 7409

Swiss Prot: P15498

Source: KLH conjugated Synthesised phosphopeptide derived from human VAV1 around the phosphorylation site of Tyr174: EI(p-Y)ED.

Purification: affinity purified by Protein A

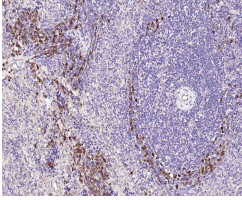
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C 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].

### VALIDATION IMAGES

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Paraformaldehyde-fixed, paraffin embedded (rat spleen); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (phospho-VAV1 (Tyr174)) Polyclonal Antibody, Unconjugated (bs-5594R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit (sp-0023) instructions and DAB staining.