

For Research Use Only

VAV3 Polyclonal antibody

Catalog Number:30291-1-AP



Basic Information

Catalog Number:

30291-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG33022

GenBank Accession Number:

NM_006113

GeneID (NCBI):

10451

UNIPROT ID:

Q9UKW4

Full Name:

vav 3 guanine nucleotide exchange factor

Calculated MW:

98kd

Observed MW:

98 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, FC (Intra), IP, ELISA

Species Specificity:

human

Positive Controls:

WB : Jurkat cells, THP-1 cells

IP : Jurkat cells,

Background Information

Vav3, a member of Dbl family which is also the activator of GTP kinase of Rho family, can activate the expression of RhoA, Rac1 and Cdc42 (PMID:28285969). Vav3 is associated with tumor growth, apoptosis, invasion, metastasis and angiogenesis (PMID:28285969). Vav3 is a multiple function protein with both signaling molecule and coactivator activities. Vav3 oncogene is overexpressed in androgen-independent prostate cancer cells relative to their androgen-dependent counterparts and contribute to development of hormone refractory prostate cancer (PMID:21455584).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

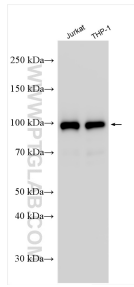
T: 4006900926

E: Proteintech-CN@ptglab.com

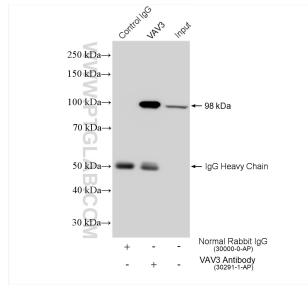
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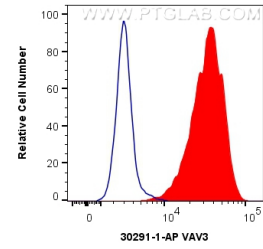
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 30291-1-AP (VAV3 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



IP result of anti-VAV3 (IP:30291-1-AP, 4ug; Detection:30291-1-AP 1:8000) with Jurkat cells lysate 1560 ug.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug Anti-Human VAV3 (30291-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).