

## Rabbit anti-Human SAV1 Polyclonal Antibody | anti-SAV1 antibody

Anti-SAV1 Antibody Picoband

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                                |
|-----------|--------|------------|-----------------------------------------------------------------------------|
| AAA126362 | Rabbit | Human      | ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

SAV1; Polyclonal Antibody; Anti-SAV1 Antibody Picoband; anti-SAV1 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                      |
| Reactivity                                     | Human                                                                                                                                                                                                                       |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                  |
| Isotype                                        | Rabbit IgG                                                                                                                                                                                                                  |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                                                |
| Form/Format                                    | Lyophilized<br>Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .                                                                                                                    |
| Concentration                                  | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)                                                                                                                                   |
| Applicable Applications for anti-SAV1 antibody | ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                             |
| Reconstitution                                 | Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.                                                                                                                                                   |
| Immunogen                                      | E Coli-derived human SAV1 recombinant protein (Position: K8-H320).                                                                                                                                                          |
| Preparation and Storage                        | Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing. |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Figure 5. Flow Cytometry analysis of U87 cells using anti-SAV1 antibody (AAA126362).Overlay histogram showing U87 cells stained with AAA126362 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SAV1 Antibody (AAA126362, 1 ug/1x10<sup>6</sup> cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10<sup>6</sup>) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



#### IHC (Immunohistochemistry)

Figure 4. IHC analysis of SAV1 using anti-SAV1 antibody (AAA126362).SAV1 was detected in a paraffin-embedded section of human spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SAV1 Antibody (AAA126362) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



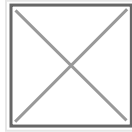
#### IHC (Immunohistochemisry)

Figure 3. IHC analysis of SAV1 using anti-SAV1 antibody (AAA126362). SAV1 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SAV1 Antibody (AAA126362) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



#### IHC (Immunohiostchemistry)

Figure 2. IHC analysis of SAV1 using anti-SAV1 antibody (AAA126362). SAV1 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-SAV1 Antibody (AAA126362) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



#### WB (Western Blot)

Figure 1. Western blot analysis of SAV1 using anti-SAV1 antibody (AAA126362). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human DLD-1 whole cell lysates, Lane 2: human 293T whole cell lysates, Lane 3: human U251 whole cell lysates, Lane 4: human PANC-1 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SAV1 antigen affinity purified polyclonal antibody (#AAA126362) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SAV1 at approximately 45 kDa. The expected band size for SAV1 is at 45 kDa.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-SAV1 antibody</b> | Protein salvador homolog 1 is a protein that in humans is encoded by the SAV1 gene. WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein with two WW domains, a SARAH domain, and a coiled-coil region and is ubiquitously expressed in adult tissues. This protein binds to MST1 (mammalian sterile 20-like kinase 1) and promotes MST1-induced apoptosis. It has also been shown to bind to HAX1 (hematopoietic cell-specific protein 1 (HS1)-associated protein X-1) and to attenuate the anti-apoptotic effects of HAX1. Studies in human and mouse suggest this gene acts as a tumor suppressor. |
| <b>Product Categories/Family for anti-SAV1 antibody</b>   | <a href="#">Primary Antibodies</a> , <a href="#">Rabbit Polyclonal Antibodies</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## NCBI AND UNIPROT INFORMATION

|                                         |                                                                                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI GI #</b>                        | <a href="#">11141889</a>                                                                                                                            |
| <b>NCBI GeneID</b>                      | <a href="#">60485</a>                                                                                                                               |
| <b>NCBI Accession #</b>                 | <a href="#">NP_068590.1</a>                                                                                                                         |
| <b>NCBI GenBank Nucleotide #</b>        | <a href="#">NM_021818.3</a>                                                                                                                         |
| <b>UniProt Accession #</b>              | <a href="#">Q9H4B6</a> ; <a href="#">Q6IA58</a> ; <a href="#">Q9H949</a> ; <a href="#">Q9HAK9</a> ; <a href="#">A8K4B8</a> ; <a href="#">D3DSB6</a> |
| <b>Molecular Weight</b>                 | 44,634 Da                                                                                                                                           |
| <b>NCBI Official Full Name</b>          | protein salvador homolog 1                                                                                                                          |
| <b>NCBI Official Synonym Full Names</b> | salvador family WW domain containing protein 1                                                                                                      |
| <b>NCBI Official Symbol</b>             | SAV1                                                                                                                                                |

|                               |                            |
|-------------------------------|----------------------------|
| NCBI Official Synonym Symbols | SAV; WW45; WWP4            |
| NCBI Protein Information      | protein salvador homolog 1 |
| UniProt Protein Name          | Protein salvador homolog 1 |
| UniProt Gene Name             | <b>SAV1</b>                |
| UniProt Synonym Gene Names    | WW45; hWW45                |
| UniProt Entry Name            | SAV1_HUMAN                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sav1-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126362>