

Rabbit anti-Human TJAP1 Polyclonal Antibody | anti-TJAP1 antibody

Anti-TJAP1 Antibody Picoband

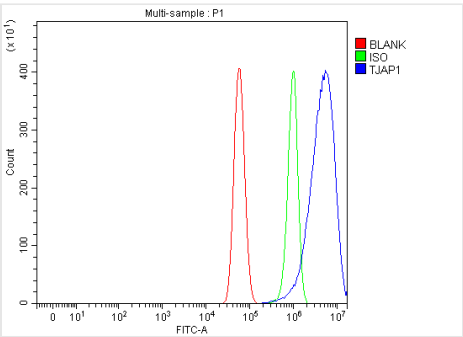
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126610	Rabbit	Human	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

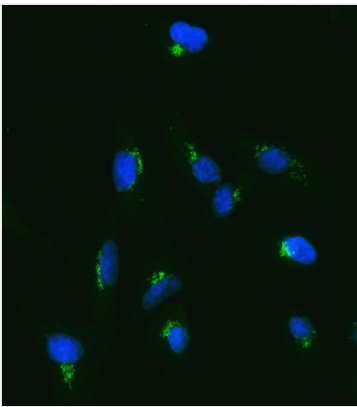
TJAP1; Polyclonal Antibody; Anti-TJAP1 Antibody Picoband; anti-TJAP1 antibody

PRODUCT SPECIFICATIONS

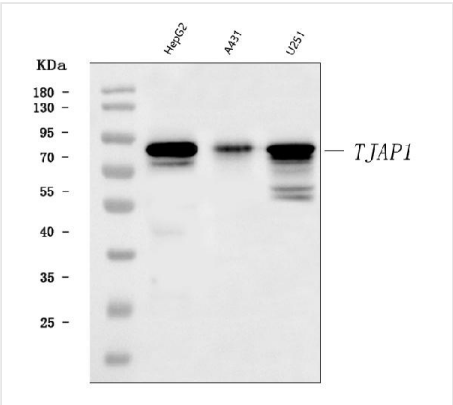
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TJAP1 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TJAP1 recombinant protein (Position: K160-N557).
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.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of U87 cells using anti-TJAP1 antibody (AAA126610).Overlay histogram showing U87 cells stained with AAA126610 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TJAP1 Antibody (AAA126610, 1 ug/1x10^6 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/1x10^6) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 2. IF analysis of TJAP1 using anti-TJAP1 antibody (AAA126610).TJAP1 was detected in an immunocytochemical section of A549 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-TJAP1 Antibody (AAA126610) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)
Figure 1. Western blot analysis of TJAP1 using anti-TJAP1 antibody (AAA126610).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 HepG2 whole cell lysates,Lane 2: human A431 whole cell lysates,Lane 3: human U251 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-TJAP1 antigen affinity purified polyclonal antibody (#AAA126610) 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 TJAP1 at approximately 86 kDa. The expected band size for TJAP1 is at 62 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TJAP1 antibody	Tight junction-associated protein 1 is a protein that in humans is encoded by the TJAP1 gene. This gene encodes a tight junction-associated protein. Incorporation of the encoded protein into tight junctions occurs at a late stage of formation of the junctions. The encoded protein localizes to the Golgi and may function in vesicle trafficking. Alternatively spliced transcript variants have been described. A related pseudogene exists on the X chromosome.
Product Categories/Family for anti-TJAP1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	74742134
NCBI GeneID	93643
UniProt Accession #	Q5JTD0; Q05BH9; Q5JTD1; Q5JWW1; Q68DB2; Q6P2P3; Q9H7V7
Molecular Weight	557
NCBI Official Full Name	Tight junction-associated protein 1
NCBI Official Synonym Full Names	tight junction associated protein 1 (peripheral)
NCBI Official Symbol	TJAP1
NCBI Official Synonym Symbols	PILT; TJP4
NCBI Protein Information	tight junction-associated protein 1; tight junction protein 4 (peripheral); protein incorporated later into tight junctions
UniProt Protein Name	Tight junction-associated protein 1
UniProt Gene Name	TJAP1
UniProt Synonym Gene Names	PILT; TJP4
UniProt Entry Name	TJAP1_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/tjap1-antibody-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/126610>