

Rabbit TAPA1 Polyclonal Antibody | anti-TAPA1 antibody

Anti-TAPA1 Picoband antibody

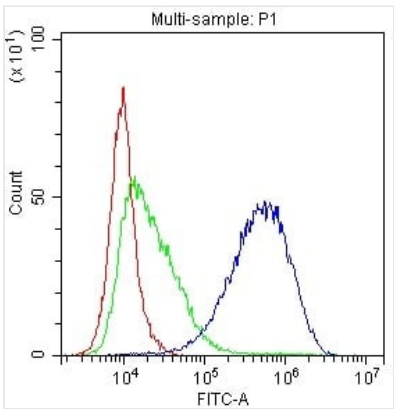
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124636	Rabbit	Human, Mouse, Rat No cross reactivity with other proteins.	Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

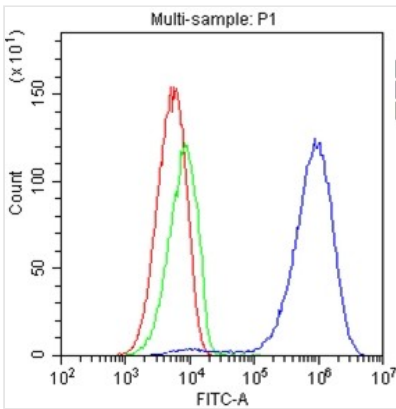
TAPA1; Polyclonal Antibody; Anti-TAPA1 Picoband antibody; CD81 antigen; 26 kDa cell surface protein TAPA-1; Target of the antiproliferative antibody 1; Tetraspanin-28; Tspan-28; CD81; TSPAN28; anti-TAPA1 antibody

PRODUCT SPECIFICATIONS

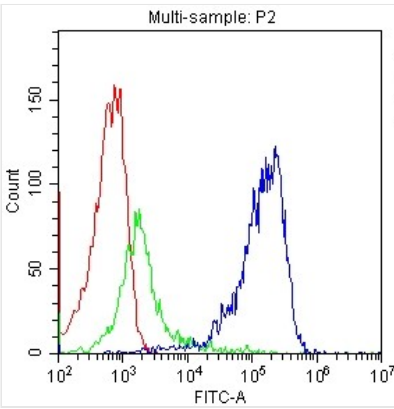
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	236
Applicable Applications for anti-TAPA1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E Coli-derived human TAPA1 recombinant protein (Position: F113-K201).
Subcellular Localization	Basolateral cell membrane.
Tissue Specificity	Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



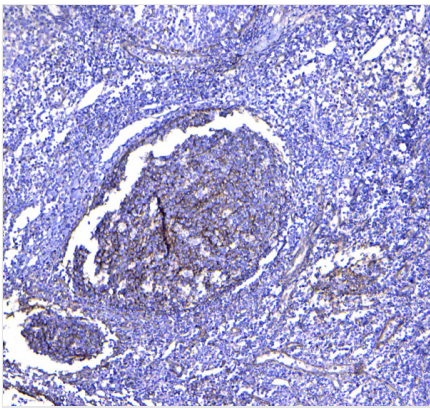
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of K562 cells using anti-TAPA1 antibody (AAA124636).Overlay histogram showing K562 cells stained with AAA124636 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAPA1 Antibody (AAA124636,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of Jurkat cells using anti-TAPA1 antibody (AAA124636).Overlay histogram showing Jurkat cells stained with AAA124636 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAPA1 Antibody (AAA124636,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of PBMC cells using anti-TAPA1 antibody (AAA124636).Overlay histogram showing PBMC cells stained with AAA124636 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TAPA1 Antibody (AAA124636,1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight 488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)
Figure 1. IHC analysis of TAPA1 using anti-TAPA1 antibody (AAA124636).TAPA1 was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-TAPA1 Antibody (AAA124636) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-TAPA1 antibody

Description: CD81 molecule, also known as CD81 (Cluster of Differentiation 81), is a protein which in humans is encoded by the CD81 gene. The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene.

Protein Function: May play an important role in the regulation of lymphoma cell growth. Interacts with a 16-kDa Leu-13 protein to form a complex possibly involved in signal transduction. May act as the viral receptor for HCV.

NCBI AND UNIPROT INFORMATION

NCBI GI #	663071018
NCBI GeneID	975
NCBI Accession #	NP_001284578.1
NCBI GenBank Nucleotide #	NM_001297649.1
UniProt Accession #	P60033; P18582; Q5U0J6
Molecular Weight	25,809 Da
NCBI Official Full Name	CD81 antigen isoform 2
NCBI Official Synonym Full Names	CD81 molecule
NCBI Official Symbol	CD81
NCBI Official Synonym Symbols	S5.7; CVID6; TAPA1; TSPAN28
NCBI Protein Information	CD81 antigen
UniProt Protein Name	CD81 antigen
UniProt Gene Name	CD81
UniProt Synonym Gene Names	TAPA1; TSPAN28; Tspan-28

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tapa1-antibody-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/124636>