

Rabbit CD81 Polyclonal Antibody | anti-CD81 antibody

CD81 Antibody

CATALOG # AAA323373	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

CD81; Polyclonal Antibody; CD81 Antibody; 26 kDa cell surface protein TAPA 1; 26 kDa cell surface protein TAPA-1; 26 kDa cell surface protein TAPA1; CD 81; CD81 antigen (target of antiproliferative antibody 1); CD81 antigen; CD81 molecule; CD81_HUMAN; CVID6; S5.7; TAPA 1; TAPA1; Target of the antiproliferative antibody 1; Tetraspanin 28; Tetraspanin-28; Tetraspanin28; Tspan 28; Tspan-28; Tspan28; anti-CD81 antibody

PRODUCT SPECIFICATIONS

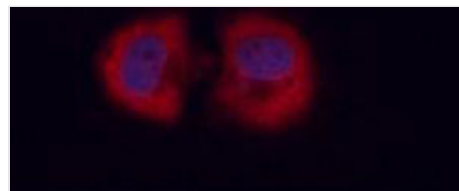
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD81 antibody detects endogenous levels of total CD81
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	165
Applicable Applications for anti-CD81 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD81, corresponding to a region within the internal amino acids.
Conjugation	Unconjugated

IMAGES



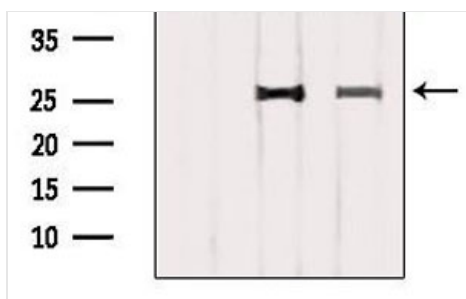
IHC (Immunohistochemistry)

AAA323373 at 1/100 staining Rat spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IF (Immunofluorescence)

AAA323373 staining U-2 OS cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37°C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37°C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from various samples, using CD81 Antibody. Lane 1: Hela treated with blocking peptide. Lane 2: Hela. Lane 3: HepG2.

ADDITIONAL INFORMATION

Related Product Information for anti-CD81 antibody

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.

Subunit Structure: Homodimer (PubMed:20375010). Interacts directly with IGSF8 (PubMed:11504738). Interacts with CD53 and SCIMP (PubMed:21930792). Interacts with IFITM1 (PubMed:2398277). Interacts with IFITM2 and IFITM3 (By similarity). Part of a GPCR-tetraspanin complex consisting at least of ADGRG1, CD81, eventually CD9, and GNA11 in which CD81 enhances the association of ADGRG1 with GNA11 (PubMed:15004227). Interacts with CLDN1 (PubMed:20375010, PubMed:21516087). Interacts with CLDN6 and CLDN9 (PubMed:20375010). Interacts (via the second extracellular domain) with integrin ITGAV:ITGB3 (PubMed:27993971).

Post-translational Modifications: Not glycosylated.

Similarity: Belongs to the tetraspanin (TM4SF) family.

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	26 kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd81-antibody-western-blot-elisa/323373>