

Product datasheet for **TA306789**

TAPA1 (CD81) Rabbit Polyclonal Antibody

Product data:

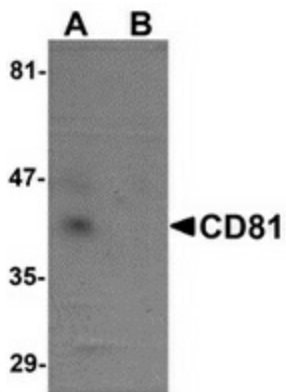
Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 ug/mL, ICC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CD81 antibody was raised against a 20 amino acid peptide near the amino terminus of human CD81.
Formulation:	PBS containing 0.02% sodium azide.
Purification:	Affinity chromatography purified via peptide column
Conjugation:	Unconjugated
Storage:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD81 molecule
Database Link:	NP_004347 Entrez Gene 12520 Mouse Entrez Gene 25621 Rat Entrez Gene 975 Human P60033
Background:	CD81 is a member of the transmembrane 4 superfamily, also known as the tetraspanin family, a group of cell-surface proteins that are characterized by the presence of four hydrophobic domains and mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. CD81 is a cell surface glycoprotein that associates with integrins and appears to promote muscle cell fusion and support myotube maintenance. Along with SCARB1, LDL-R, and CLDN1, CD81 has been reported to be an entry factor for the Hepatitis C virus. Finally, recent evidence indicates that the CD81 gene is localized in a tumor-suppressor gene region and is thus a candidate gene for malignancies.



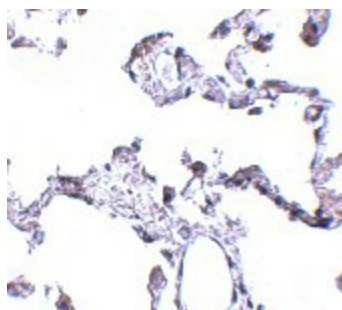
[View online »](#)

Synonyms: CVID6; S5.7; TAPA1; TSPAN28
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways: B cell receptor signaling pathway

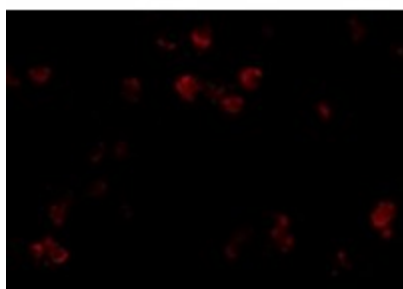
Product images:



Western blot analysis of CD81 in human lung tissue lysate with CD81 antibody at 1 ug/ml in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of CD81 in human lung tissue with CD81 antibody at 5 ug/ml.



Immunofluorescence of CD81 in A549 cells with CD81 antibody at 20 ug/mL.