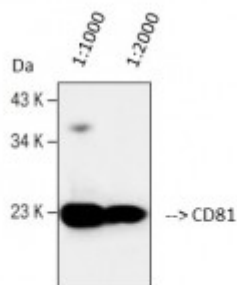


## Anti-CD81 antibody



Western Blot (WB) analysis of 4T1 cells using CD81 Antibody (STJ96759).



### Description

CD81 is a protein encoded by the CD81 gene which is approximately 25,8 kDa. CD81 is localised to the cell membrane. It is involved in the B-cell receptor signalling pathway, IL-2 pathway and class I MHC mediated antigen processing and presentation. It is a cell-surface protein that is characterized by the presence of four hydrophobic domains. The protein mediates signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein also appears to promote muscle cell fusion and support myotube maintenance. CD81 is expressed in the nervous system, lung, skin, liver and lymph node. Mutations in the CD81 gene may result in immunodeficiency. STJ96759 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of CD81 protein.

<b>Model</b>	STJ96759
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Applications</b>	ELISA, IHC, WB
<b>Immunogen</b>	Synthesized peptide derived from human CD81.
<b>Immunogen Region</b>	90-210 aa, Internal
<b>Gene ID</b>	<a href="#">975</a>
<b>Gene Symbol</b>	<a href="#">CD81</a>
<b>Dilution range</b>	WB 1:500-1:2000 ELISA 1:20000
<b>Specificity</b>	CD81 Polyclonal Antibody detects endogenous levels of CD81 protein.

<b>Tissue Specificity</b>	Hematolymphoid, neuroectodermal and mesenchymal tumor cell lines.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Note</b>	For Research Use Only (RUO).
<b>Protein Name</b>	CD81 antigen 26 kDa cell surface protein TAPA-1 Target of the antiproliferative antibody 1 Tetraspanin-28 Tspan-28 CD antigen CD81
<b>Molecular Weight</b>	26 kDa
<b>Clonality</b>	Polyclonal
<b>Conjugation</b>	Unconjugated
<b>Isotype</b>	IgG
<b>Formulation</b>	Liquid in PBS containing 50% glycerol and 0.02% sodium azide.
<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ncbi.nlm.nih.gov/condensedbook/condensedbook.cgi?acc=HGNC:1701OMIM:186845">HGNC:1701OMIM:186845</a>
<b>Alternative Names</b>	CD81 antigen 26 kDa cell surface protein TAPA-1 Target of the antiproliferative antibody 1 Tetraspanin-28 Tspan-28 CD antigen CD81
<b>Function</b>	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.; (Microbial infection) Acts as a receptor for hepatitis C virus (HCV) in hepatocytes. Associates with CLDN1 and the CLDN1-CD81 receptor complex is essential for HCV entry into host cell.
<b>Cellular Localization</b>	Basolateral cell membrane. Associates with CLDN1 and the CLDN1-CD81 complex localizes to the basolateral cell membrane.
<b>Post-translational Modifications</b>	Not glycosylated.