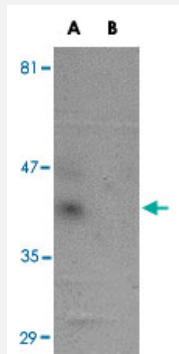


# CD81 polyclonal antibody

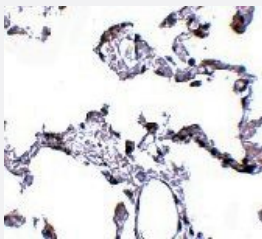
Catalog # PAB16754      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of CD81 in human lung tissue lysate with CD81 polyclonal antibody (Cat # PAB16754) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



### Immunohistochemistry

Immunohistochemistry of CD81 in human lung tissue with CD81 polyclonal antibody (Cat # PAB16754) at 5 ug/mL .

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of CD81.
<b>Immunogen</b>	A synthetic peptide corresponding to N-terminus 20 amino acids of human CD81.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid
<b>Recommend Usage</b>	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for up to one year. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of CD81 in human lung tissue lysate with CD81 polyclonal antibody (Cat # PAB16754) at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.

- Immunohistochemistry

Immunohistochemistry of CD81 in human lung tissue with CD81 polyclonal antibody (Cat # PAB16754) at 5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — CD81

Entrez GeneID	<a href="#">975</a>
Protein Accession#	<a href="#">NP_004347</a>
Gene Name	CD81
Gene Alias	S5.7, TAPA1, TSPAN28
Gene Description	CD81 molecule
Omim ID	<a href="#">186845</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. [provided by RefSeq]

**Other Designations**

26 kDa cell surface protein TAPA-1|CD81 antigen|CD81 antigen (target of antiproliferative antibody 1)|target of antiproliferative antibody 1

**Publication Reference**

- [Down-regulation of exosomal miR-106b-5p derived from cholesteatoma perimatrix fibroblasts promotes angiogenesis in endothelial cells by overexpression of Angiopoietin 2.](#)  
Li Y, Liang J, Hu J, Ren X, Sheng Y.  
Cell Biology International 2018 Sep; 42(10):1300.  
Application: WB-Ce, Human, HUVECs
- [Lateral organization of membrane proteins: tetraspanins spin their web.](#)  
Charrin S, le Naour F, Silvie O, Milhiet PE, Boucheix C, Rubinstein E.  
The Biochemical Journal 2009 May; 420(2):133.
- [Role of transmembrane 4 superfamily \(TM4SF\) proteins CD9 and CD81 in muscle cell fusion and myotube maintenance.](#)  
Tachibana I, Hemler ME.  
The Journal of Cell Biology 1999 Aug; 146(4):893.  
Application: Flow Cyt, Func, WB-Ce, Human, Mouse, C2C12, RD cells
- [Transmembrane-4 superfamily proteins CD81 \(TAPA-1\), CD82, CD63, and CD53 specifically associated with integrin alpha 4 beta 1 \(CD49d/CD29\).](#)  
Mannion BA, Berditchevski F, Kraeft SK, Chen LB, Hemler ME.  
The Journal of Immunology 1996 Sep; 157(5):2039.

**Pathway**

- [B cell receptor signaling pathway](#)

**Disease**

- [Atherosclerosis](#)
- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)

- [Hematologic Diseases](#)
- [Hepatitis C](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Liver Neoplasms](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Obesity](#)
- [Occupational Diseases](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)