

Datasheet for ABIN7202272  
**anti-CD81 antibody (Internal Region)**



[Go to Product page](#)

3 Images

## Overview

Quantity:	100 µL
Target:	CD81
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD81 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

## Product Details

Purpose:	CD81 Polyclonal Antibody
Immunogen:	Synthesized peptide derived from the Internal region of human CD81
Isotype:	IgG
Specificity:	CD81 Polyclonal Antibody detects endogenous levels of CD81 protein.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen

## Target Details

Target:	CD81
Alternative Name:	CD81 ( <a href="#">CD81 Products</a> )

## Target Details

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**Background:** Rabbit Anti-CD81 Polyclonal Antibody, CD81, TAPA1, TSPAN28, CD81 antigen, 26 kDa cell surface protein TAPA-1, Target of the antiproliferative antibody 1, Tetraspanin-28, Tspan-28, CD81, Platelet glycoprotein Ib alpha chain encoded by CD81 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., CD81 antigen

**Gene ID:** 975

**UniProt:** [P60033](#)

**Pathways:** [Inositol Metabolic Process](#), [Hepatitis C](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), ELISA (1:20000). Not yet tested in other applications.

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** PBS containing 50 % Glycerol, 0.5 % BSA and 0.02 % Sodium Azide.

**Preservative:** Sodium azide

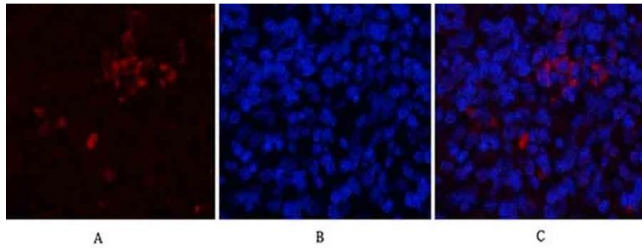
**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C

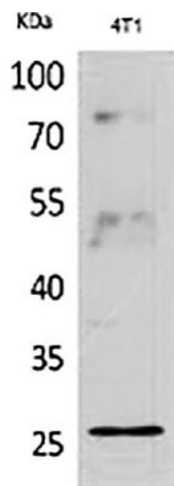
**Storage Comment:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid

repeated freezing and thawing.

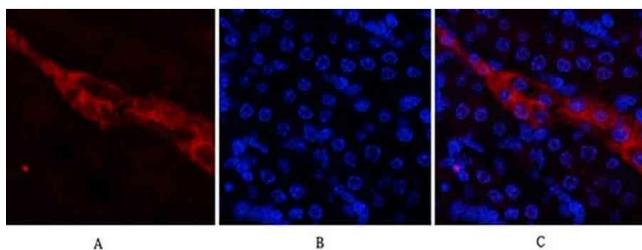
## Images

**Immunofluorescence**

**Image 1.** Immunofluorescence analysis of rat spleen tissue. 1, CD81 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.

**Western Blotting**

**Image 2.** Western Blot analysis of 4T1 cells using CD81 Polyclonal Antibody. Antibody was diluted at 1:2000.

**Immunofluorescence**

**Image 3.** Immunofluorescence analysis of mouse kidney tissue. 1, CD81 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.