

Datasheet for ABIN2855163

**anti-CD81 antibody**

8 Images

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## Overview

Quantity:	100 µL
Target:	CD81
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD81 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Blocking Peptide (BP)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human CD81. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to CD81 (CD81 Molecule) CD81 antibody
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

## Target Details

Target:	CD81
Alternative Name:	CD81 molecule ( <a href="#">CD81 Products</a> )
Background:	<p>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.</p> <p>Cellular Localization: Membrane</p>
Molecular Weight:	26 kDa
Gene ID:	975
UniProt:	<a href="#">P60033</a>
Pathways:	<a href="#">Inositol Metabolic Process</a> , <a href="#">Hepatitis C</a>

## Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. FACS: 1:50-1:200. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Validation: KO/KD, Orthogonal, Overexpression
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1.01 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Handling

Storage: 4 °C, -20 °C

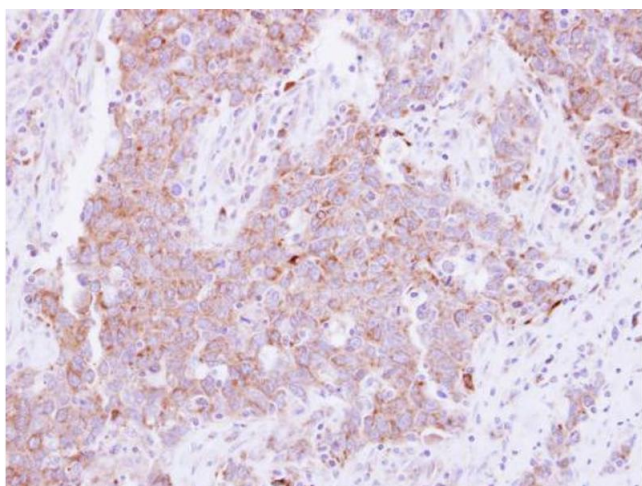
Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

## Publications

Product cited in: Glaeser, Urban, Fenech, Voloshanenko, Kranz, Lari, Christianson, Boutros: "ERAD-dependent control of the Wnt secretory factor Evi." in: **The EMBO journal**, Vol. 37, Issue 4, (2018) ([PubMed](#)).

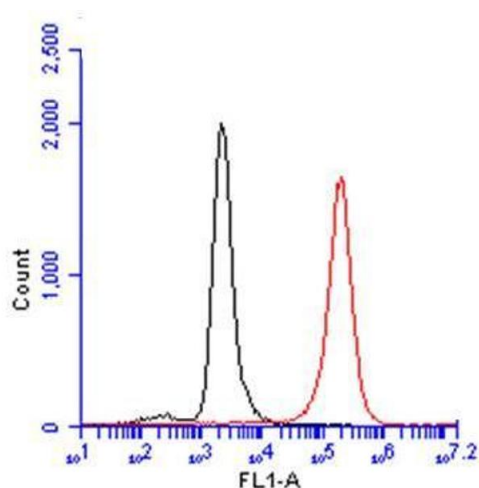
Jain, Noordam, Hoshi, Vallania, Conrad: "Validating single-cell genomics for the study of renal development." in: **Kidney international**, Vol. 86, Issue 5, pp. 1049-55, (2015) ([PubMed](#)).

## Images



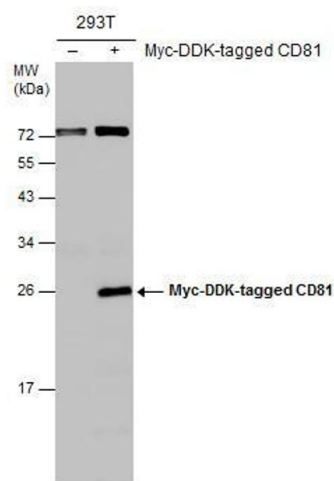
### Immunohistochemistry

**Image 1.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human lung Papillary adenocarcinoma, using CD81, antibody at 1:250 dilution.



### Flow Cytometry

**Image 2.** FACS Image CD81 antibody, detects CD81 protein by flow cytometry analysis. Sample: THP-1 cell. Black: Unlabelled sample was used as a control. Red: CD81 antibody, dilution: 1:50. Acquisition of 20,000 events were collected using a Dylight 488-conjugated secondary antibody for FACS analysis.



### Western Blotting

**Image 3.** WB Image Non-transfected (–) and transfected (+) 293T whole cell extracts (30 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with CD81 antibody, diluted at 1:1000.

Please check the [product details page](#) for more images. Overall 8 images are available for ABIN2855163.