

Datasheet for ABIN7158282
anti-CD47 antibody (AA 44-141)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	CD47
Binding Specificity:	AA 44-141
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD47 antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Recombinant Human Leukocyte surface antigen CD47 protein (44-141AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CD47
Alternative Name:	CD47 (CD47 Products)
Background:	Background: Has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. Plays an important role in memory formation and

Target Details

synaptic plasticity in the hippocampus (By similarity). Receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. May play a role in membrane transport and/or integrin dependent signal transduction. May prevent premature elimination of red blood cells. May be involved in membrane permeability changes induced following virus infection.

Aliases: Antigen identified by monoclonal antibody 1D8 antibody, Antigenic surface determinant protein OA3 antibody, CD 47 antibody, CD47 antibody, CD47 antigen (Rh-related antigen, integrin-associated signal transducer) antibody, CD47 antigen antibody, CD47 glycoprotein antibody, CD47 Molecule antibody, CD47_HUMAN antibody, IAP antibody, Integrin Associated Protein antibody, Integrin associated signal transducer antibody, Integrin-associated protein antibody, Leukocyte surface antigen CD47 antibody, MER 6 antibody, MER6 antibody, OA 3 antibody, OA3 antibody, OTTHUMP00000041152 antibody, OTTHUMP00000041153 antibody, Protein MER6 antibody, Rh related antigen antibody, Surface antigen identified by monoclonal antibody 1D8 antibody

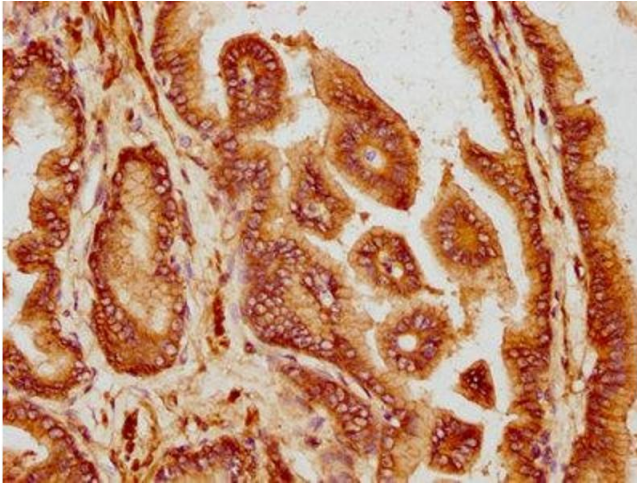
UniProt: [Q08722](#)

Application Details

Application Notes:	Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,
Restrictions:	For Research Use only

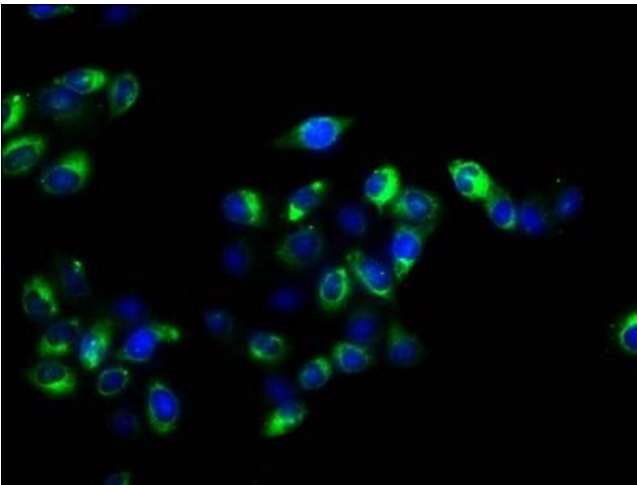
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. IHC image of ABIN7158282 diluted at 1:300 and staining in paraffin-embedded human prostate tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7158282 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).