

ARG58686 anti-CD47 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD47
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD47
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 20-140 of Human CD47 (NP_942088.1).
Conjugation	Un-conjugated
Alternate Names	Leukocyte surface antigen CD47; CD antigen CD47; Antigenic surface determinant protein OA3; MER6; OA3; Protein MER6; IAP; Integrin-associated protein

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	MCF7	
Observed Size	~ 50 kDa	

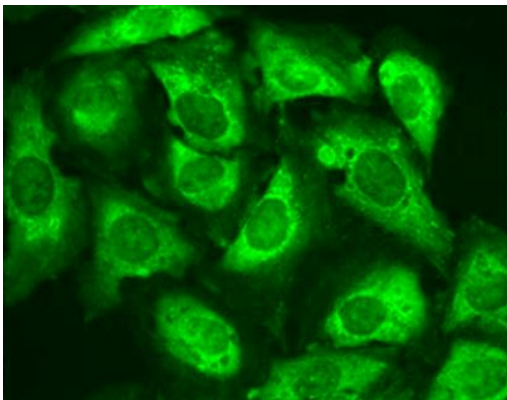
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

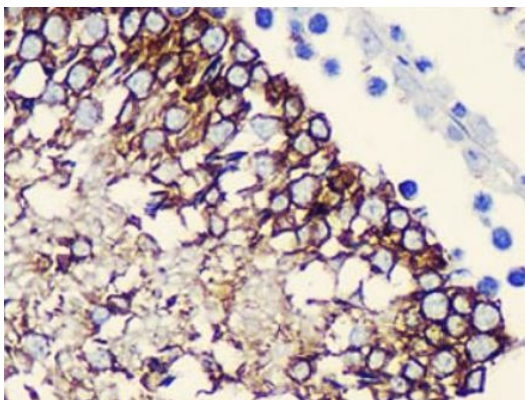
Gene Symbol	CD47
Gene Full Name	CD47 molecule
Background	This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]
Function	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 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. [UniProt]
Calculated Mw	35 kDa
Cellular Localization	Cell membrane, Multi-pass membrane protein. [UniProt]

Images



ARG58686 anti-CD47 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG58686 anti-CD47 antibody at 1:100 dilution.



ARG58686 anti-CD47 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat testis tissue stained with ARG58686 anti-CD47 antibody at 1:100 dilution.

ARG58686 anti-CD47 antibody WB image

Western blot: 25 µg of MCF7 cell lysate stained with ARG58686 anti-CD47 antibody at 1:500 dilution.

