

Rabbit CD47 Polyclonal Antibody | anti-CD47 antibody

CD47 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326414	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

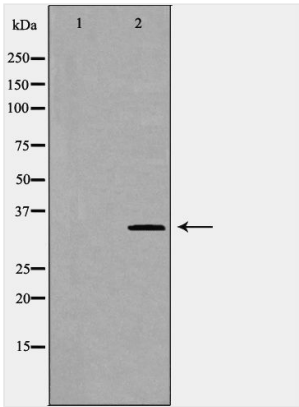
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

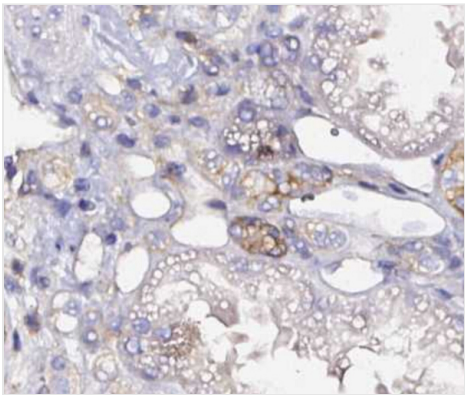
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CD47 antibody detects endogenous levels of total CD47
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	323
Applicable Applications for anti-CD47 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CD47
Subcellular Location	Cell Membrane
Tissue Specificity	Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain.
Predicted Cross Reactivity	Dog
Similarity	Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Mouse lung lysate, using CD47 Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

CD47 Antibody for IHC in human kidney

ADDITIONAL INFORMATION

Related Product Information for anti-CD47 antibody

Description: 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.

Subunit Structure: Interacts with THBS1 and fibrinogen (By similarity). Monomer. Interacts with SIRPA, SIRPG, UBQLN1 and UBQLN2.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502673
NCBI GeneID	961
NCBI Accession #	NP_001768.1
NCBI GenBank Nucleotide #	NM_001777.3
UniProt Accession #	Q08722; Q53Y71; Q96A60; A8K198; D3DN59
Molecular Weight	Observed: 35 kDa Predicted: 36 kDa
NCBI Official Full Name	leukocyte surface antigen CD47 isoform 1
NCBI Official Synonym Full Names	CD47 molecule
NCBI Official Symbol	CD47
NCBI Official Synonym Symbols	IAP; OA3; MER6
NCBI Protein Information	leukocyte surface antigen CD47
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	CD47

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/cd47-antibody-immunohistochemistry-western-blot-elisa/326414>