

Rabbit anti-Mouse CD47 Polyclonal Antibody | anti-CD47 antibody

Anti-CD47 Antibody, Rabbit Polyclonal

CATALOG # AAA254660	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Immunohistochemistry
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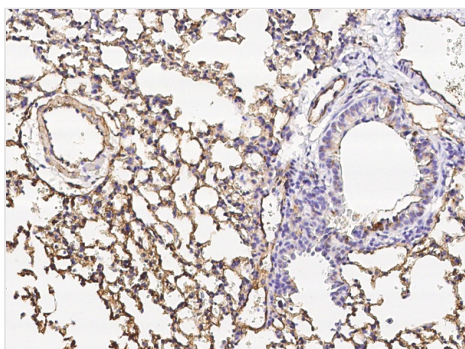
PRODUCT SYNONYMS

CD47; Polyclonal Antibody; Anti-CD47 Antibody; Rabbit Polyclonal; CD47 Antibody; Rabbit PAb; Antigen Affinity Purified; CD47 molecule; Anti-9130415E20Rik Antibody; Anti-AA407862 Antibody; Anti-AI848868 Antibody; Anti-AW108519 Antibody; Anti-B430305P08Rik Antibody; Anti-IAP Antibody; Anti-Itgp Antibody; anti-CD47 antibody

PRODUCT SPECIFICATIONS

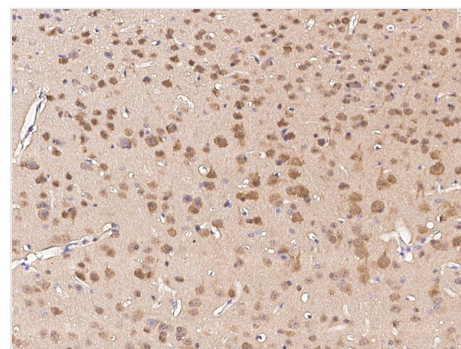
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Mouse CD47
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD47 antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Mouse CD47
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Mouse CD47, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of mouse CD47 in mouse lung with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of mouse CD47 in mouse brain with rabbit polyclonal antibody (1:10000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CD47 antibody	CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain and is a receptor for the C-terminal cell binding domain of thrombospondin. It may play a role in membrane transport and signal transduction. CD47 is also a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. It is very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain. CD47 may play a role in membrane transport and/or integrin dependent signal transduction. It may prevent premature elimination of red blood cells. It also may be involved in membrane permeability changes induced following virus infection. By acting as an adhesion receptor for THBS1 on platelets, CD47 plays a role in both cell adhesion and in the modulation of integrins. It also plays an important role in memory formation and synaptic plasticity in the hippocampus.
Product Categories/Family for anti-CD47 antibody	Cancer Drug Targets
References	Brown EJ, et al. (2001) Integrin-associated protein (CD47) and its ligands. Trends Cell Biol. 11(3): 130-5.Oldenborg PA. (2004) Role of CD47 in erythroid cells and in autoimmunity. Leuk Lymphoma. 45(7): 1319-27.Kaczorowski DJ, et al. (2007) Targeting CD47: NO limit on therapeutic potential. Circ Res. 100(5): 602-3.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754382
NCBI GeneID	16423
NCBI Accession #	NP_034711.1
NCBI GenBank Nucleotide #	NM_010581.3
UniProt Accession #	Q61735; Q921Z2
Molecular Weight	33,098 Da
NCBI Official Full Name	leukocyte surface antigen CD47
NCBI Official Synonym Full Names	CD47 antigen (Rh-related antigen, integrin-associated signal transducer)
NCBI Official Symbol	Cd47
NCBI Official Synonym Symbols	IAP; Itgp; AA407862; AI848868; AW108519; 9130415E20Rik; B430305P08Rik
NCBI Protein Information	leukocyte surface antigen CD47; Rh-related antigen; integrin-associated protein
UniProt Protein Name	Leukocyte surface antigen CD47
UniProt Gene Name	Cd47
UniProt Synonym Gene Names	IAP
UniProt Entry Name	CD47_MOUSE

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://www.aaabiotech.com/polyclonal/cd47-antibody-immunohistochemistry-elisa/254660>