

Product Name: CD47 Rabbit Polyclonal Antibody
Catalog #: APRab08407



Summary

Production Name	CD47 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Rat,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CD47
Alternative Names	CD47; MER6; Leukocyte surface antigen CD47; Antigenic surface determinant protein OA3; Integrin-associated protein; IAP; Protein MER6; CD47
Gene ID	961.0
SwissProt ID	Q08722.The antiserum was produced against synthesized peptide derived from the Internal region of human CD47. AA range:61-110

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC-p: 1:100-1:300. ELISA: 1:20000..
Molecular Weight	35kD

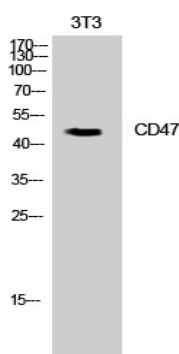
Background

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.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Interacts with THBS1 and fibrinogen (By similarity). Monomer. Interacts with SIRPA, SIRPG, UBQLN1 and UBQLN2.,tissue specificity:Very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain.,

Research Area

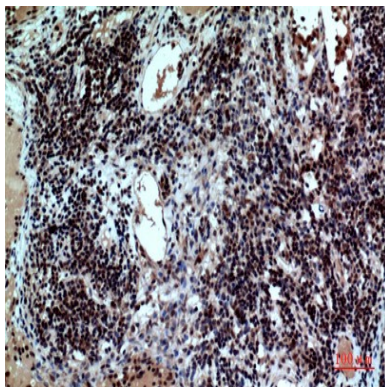
ECM-receptor interaction;

Image Data



Western Blot analysis of 3T3 cells using CD47 Polyclonal Antibody. Secondary antibody was diluted at 1:20000

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Immunohistochemical analysis of paraffin-embedded human-Lymph-nodes, antibody was diluted at 1:100

Note

For research use only.