

For Research Use Only

CD47 Polyclonal antibody

Catalog Number: 31886-1-AP



Basic Information

Catalog Number:

31886-1-AP

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1394

GenBank Accession Number:

NP_001355344.1

GeneID (NCBI):

16423

UNIPROT ID:

Q61735-1

Full Name:

CD47 antigen (Rh-related antigen, integrin-associated signal transducer)

Calculated MW:

33 kDa

Observed MW:

~30 kDa, 40-50 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse

Positive Controls:

WB : PNGF treated NIH/3T3 cells,

Background Information

CD47, also known as integrin-associated protein (IAP), is a member of the immunoglobulin superfamily containing a five-pass transmembrane attachment. CD47 is heavily glycosylated and widely expressed by hematopoietic and nonhematopoietic cells. CD47 interacts with several membrane integrins and also acts as a receptor for thrombospondin (THBS1). It is involved in a range of cellular processes, including apoptosis, proliferation, adhesion, and migration. CD47 also functions as a ligand for signal regulatory protein- α (SIRP α). Upon binding CD47, SIRP α initiates a signaling cascade that results in the inhibition of phagocytosis.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

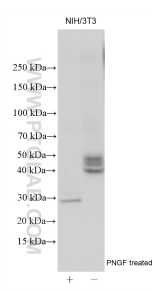
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31886-1-AP (CD47 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.