

For Research Use Only

RHNO1 Polyclonal antibody

Catalog Number: 27977-1-AP



Basic Information

Catalog Number:

27977-1-AP

Concentration:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14789

GenBank Accession Number:

BC005106

GeneID (NCBI):

83695

Full Name:

chromosome 12 open reading frame

32

Calculated MW:

238 aa, 27 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, ELISA

Species Specificity:

human, mouse

Positive Controls:

IP: mouse thymus tissue,

Background Information

RHNO1 (Rad9-Hus1-Rad1 Interacting Nuclear Orphan 1) is a protein associated with the DNA replication stress (DRS) response and DNA repair. It interacts with the 9-1-1 checkpoint clamp and TopBP1 to activate the ATR/Chk1 signaling pathway, thereby maintaining genomic integrity. Additionally, RHNO1 has been identified as a key facilitator of theta-mediated end joining (TMEJ), a DNA repair mechanism related to cancer progression and chemotherapy resistance. In cancer research, RHNO1 is considered a potential therapeutic target due to its high expression in tumor cells and its regulatory role in cell proliferation and survival.

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:

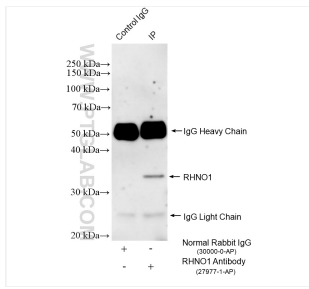
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-RHNO1 (IP:27977-1-AP, 4ug;
Detection:27977-1-AP 1:500) with mouse thymus
tissue lysate 1320 ug.