

For Research Use Only

RHNO1 Polyclonal antibody, PBS Only

Catalog Number: 27977-1-PBS



Basic Information

Catalog Number: 27977-1-PBS	GenBank Accession Number: BC005106	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 83695	
Source: Rabbit	Full Name: chromosome 12 open reading frame 32	
Isotype: IgG	Calculated MW: 238 aa, 27 kDa	
Immunogen Catalog Number: AG14789	Observed MW: 35 kDa	

Applications

Tested Applications:
IP, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.

Storage Buffer:
PBS only, pH7.3

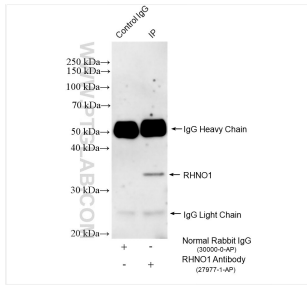
For technical support and original validation data for this product please contact:

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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. This data was developed using the same antibody clone with 27977-1-PBS in a different storage buffer formulation.