For Research Use Only

HN1L Recombinant monoclonal antibody, PBS Only

Catalog Number:87093-1-PBS

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Basic Information

Catalog Number:
87093-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG9400

GenBank Accession Number:
BC014438

GeneID (NCBI):
90861

UNIPROT ID:
Q9H910

Full Name:
hematological and neurological expressed 1-like

Calculated MW:
190 aa, 20 kDa

Observed MW:
20 kDa

Purification Method:
Protein A purification

CloneNo.:
252262C12

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

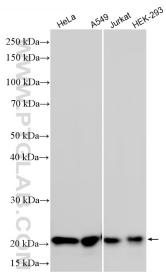
Hematological and neurological expressed 1-like protein (HN1L), also known as Jupiter microtubule-associated homolog 2 (JPT2), belongs to the jupiter family. HN1L is nicotinic acid adenine dinucleotide phosphate (NAADP) binding protein required for NAADP-evoked intracellular calcium release (PubMed:33758061). HN1L enables NAADP to activate Ca2+ release from the endoplasmic reticulum through ryanodine receptors (PubMed:33758062). HN1L was also required for the translocation of a severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) pseudovirus through the endolysosomal systemHN1L is expressed in liver, kidney, prostate, testis and uterus (PMID: 15094197).

Storage

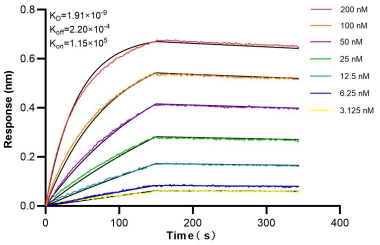
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87093-1-RR (HN1L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87093-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87093-1-RR against Human HN1L were performed. The affinity constant is 1.91 nM.