

For Research Use Only

HN1L Polyclonal antibody

Catalog Number: 16285-1-AP



Basic Information

Catalog Number:

16285-1-AP

Size:

150ul , Concentration: 350 ug/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:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells, HeLa cells, Jurkat cells

IF/ICC : A431 cells,

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 system HN1L is expressed in liver, kidney, prostate, testis and uterus (PMID: 15094197).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

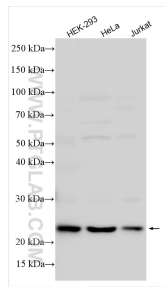
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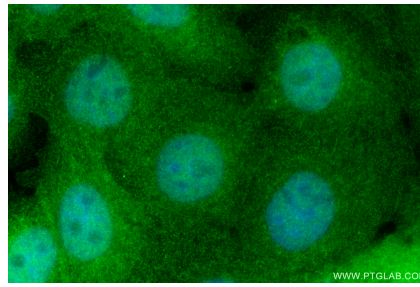
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16285-1-AP (HN1L antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed A431 cells using HN1L antibody (16285-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).