For Research Use Only

NUPL2 Polyclonal antibody

Catalog Number: 16587-1-AP

1 Publications



Basic Information

Catalog Number:

GenBank Accession Number:

Antigen affinity purification

Purification Method:

16587-1-AP Size:

GeneID (NCBI):

150ul, Concentration: 500 µg/ml by

11097

BC005327

Recommended Dilutions: WB 1:500-1:1000

Nanodrop and 300 µg/ml by Bradford Full Name: method using BSA as the standard;

nucleoporin like 2

Calculated MW:

Rabbit Isotype:

Observed MW:

IgG

45 kDa, 33-36 kDa

45 kDa

AG8816

Immunogen Catalog Number:

Applications

Tested Applications:

WB,ELISA

Positive Controls:

Cited Applications:

Species Specificity:

human, mouse, rat

Cited Species:

human

WB: HEK-293 cells, human liver tissue, LO2 cells

Background Information

NUPL2 (also known as NLP-1, or hCG1) is an ubiquitous nuclear protein containing many phenylalanine-glycine (FG) repeats. As the functional orthologue of the budding yeast Nup42/Rip1 nucleoporin, NUPL2 is required for the export of mRNAs containing poly(A) tails from the nucleus into the cytoplasm (PMID: 10610322). In case of infection by HIV-1, it may participate in the docking of viral Vpr at the nuclear envelope (PMID: 16000379). NUPL2 localizes to the nuclear envelope and could also be mobile within the nucleus. It promotes CRM1-dependent nuclear protein export (PMID: 22250199).

Notable Publications

Author	Pubmed ID	Journal	Application
Maciej Kliszczak	37342232	Front Cell Dev Biol	WB

Storage

Storage:

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

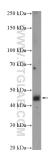
Storage Buffer

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

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 16587-1-AP (NUPL2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.