

NUP153 Recombinant monoclonal antibody

Catalog Number: 86622-1-RR

Basic Information

Catalog Number:

86622-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5519

GenBank Accession Number:

BC052965

GeneID (NCBI):

9972

UNIPROT ID:

P49790

Full Name:

nucleoporin 153kDa

Calculated MW:

154 kDa

Observed MW:

160-170 kDa

Purification Method:

Protein A purification

CloneNo.:

251519G11

Recommended Dilutions:

WB: 1:2000-1:10000

IF/ICC: 1:250-1:1000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HeLa cells, HepG2 cells, MCF-7 cells, A431 cells, K-562 cells, C2C12 cells

IF/ICC : HeLa cells,

Background Information

NUP153 is an FG-repeat containing NUP, contains a high-affinity site for importin- β , localizes on the nucleoplasmic face of the nuclear pore and is required for assembly of the nuclear basket and import of a subset of nuclear proteins [PMID:18845677]. NUP153 also facilitates nuclear export of mRNA and ribonucleoprotein particles and may have additional functions within the nucleus [PMID:16195343]. The 53BP1-NUP153/importin- β pathway as an important aspect of the DDR network add to an emerging evidence of subcellular trafficking as an integral part of genome surveillance [PMID:22075984].

Storage

Storage:

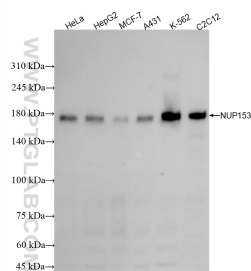
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

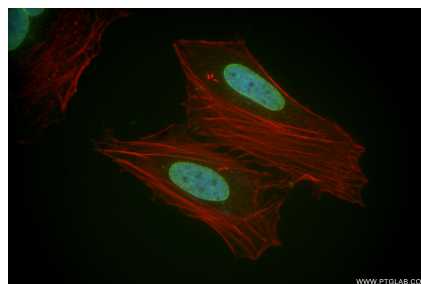
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

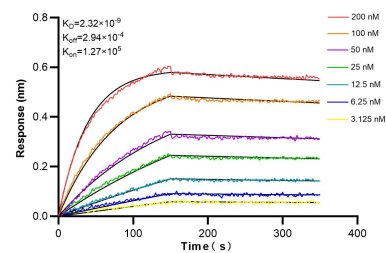
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86622-1-RR (NUP153 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NUP153 antibody (86622-1-RR, Clone: 251519G11) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 86622-1-RR against Human NUP153 were performed. The affinity constant is 2.32 nM.