For Research Use Only

# NOC2L Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number:88267-1-PBS

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## Basic Information

Catalog Number:
88267-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26952

GenBank Accession Number:
BC003555

GeneID (NCBI):
26155

UNIPROT ID:
Q9Y3T9

Full Name:
nucleolar complex associated 2 homolog (S. cerevisiae)

Calculated MW:
749 aa, 85 kDa

Observed MW:
85 kDa

Purification Method:
Protein A purification

CloneNo.:
260756G2

## Applications

Tested Applications:
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

## Background Information

NOC2L, also known as NIR, is a transcriptional corepressor with inhibitor of histone acetyltransferase (INHAT) activity (PMID: 16322561). It prevents acetylation of all core histones by the histone acetyltransferase EP300/p300. NOC2L interacts with p53, inhibits p53-activated gene expression, and regulates p53-dependent apoptosis (PMID: 16322561). NIR binds to TAp63 and acts as a repressor of TAp63-mediated transactivation of the p21Cip1 gene (PMID: 20123734). NOC2L is ubiquitously expressed throughout embryonic development and adulthood (PMID: 16322561). NOC2L has been reported as a key regulator of skin development. Epidermis-specific ablation of NOC2L impairs epidermal stratification and barrier function (PMID: 29490983).

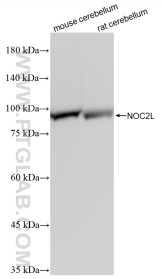
## Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

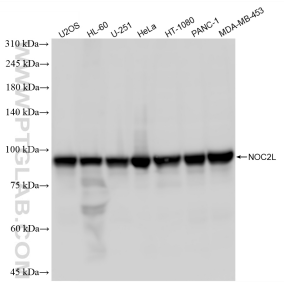


**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

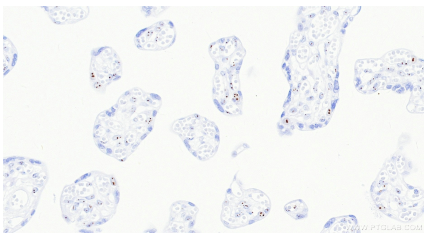
## Selected Validation Data



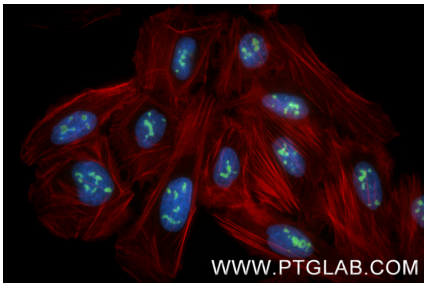

Various lysates were subjected to SDS PAGE followed by western blot with 88267-1-RR (NOC2L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.



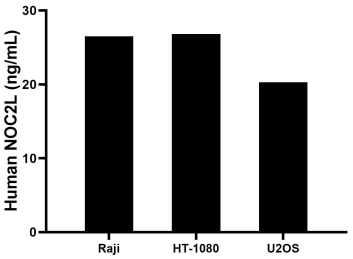

Various lysates were subjected to SDS PAGE followed by western blot with 88267-1-RR (NOC2L antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.



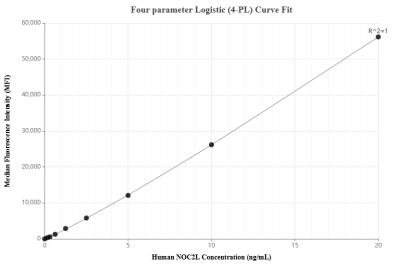
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 88267-1-RR (NOC2L antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.



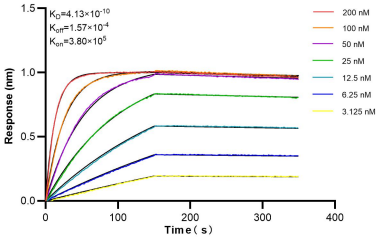

Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NOC2L antibody (88267-1-RR, Clone: 260756G2 ) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.




The mean NOC2L concentration was determined to be 26.5 ng/mL in Raji cell extract based on a 1.0 mg/mL extract load, 26.8 ng/mL in HT-1080 cell extract based on a 1.0 mg/mL extract load, 20.3 ng/mL in U2OS cell extract based on a 1.0 mg/mL extract load.




Cytometric bead array standard curve of MP03442-1, NOC2L Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88267-1-PBS. Detection antibody: 88267-2-PBS. Standard: Ag26952. Range: 0.156-20 ng/mL.




Biolayer interferometry (BLI) kinetic assays of 88267-1-RR against Human NOC2L were performed. The affinity constant is 0.413 nM.