

NOC2L Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88267-1-PBS

Basic Information

Catalog Number: 88267-1-PBS	GenBank Accession Number: BC003555	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 26155	CloneNo.: 260756G2
Source: Rabbit	UNIPROT ID: Q9Y3T9	
Isotype: IgG	Full Name: nucleolar complex associated 2 homolog (S. cerevisiae)	
Immunogen Catalog Number: AG26952	Calculated MW: 749 aa, 85 kDa	
	Observed MW: 85 kDa	

Applications

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

Species Specificity:
human, mouse, rat

Product Information

88267-1-PBS targets NOC2L as part of a matched antibody pair:

MP03442-1: 88267-1-PBS capture and 88267-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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

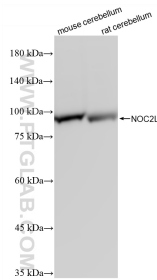
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

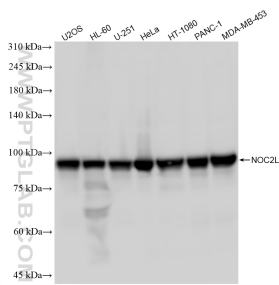
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

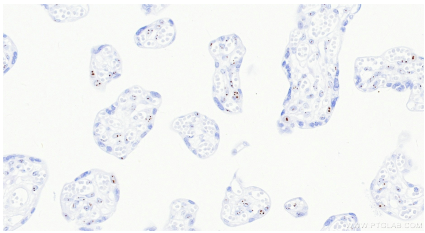
Selected Validation Data



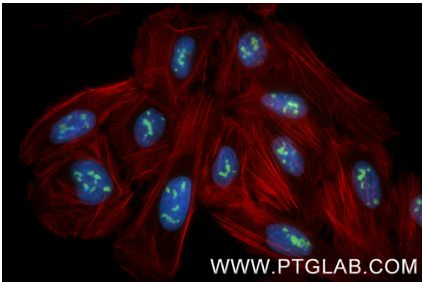
Various lysates were subjected to SDS PAGE followed by western blot with 88267-1-RR (NOC2L antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.



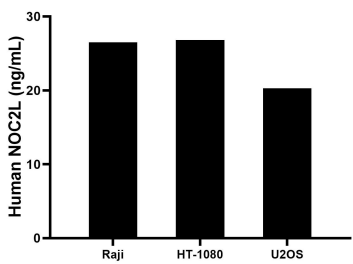
Various lysates were subjected to SDS PAGE followed by western blot with 88267-1-RR (NOC2L antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88267-1-PBS in a different storage buffer formulation.



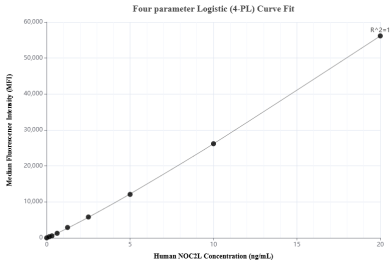
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 88267-1-RR (NOC2L antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 88267-1-PBS in a different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



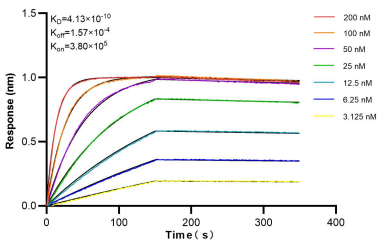
Immunofluorescent analysis of (4% PFA) fixed U2OS cells using NOC2L antibody (88267-1-RR, Clone: 260756G2) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 88267-1-PBS in a different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