

NOC2L Polyclonal antibody

Catalog Number: 28509-1-AP

Basic Information

Catalog Number: 28509-1-AP	GenBank Accession Number: BC003555	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 26155	Recommended Dilutions: WB 1:2000-1:12000
Source: Rabbit	UNIPROT ID: Q9Y3T9	IHC 1:500-1:2000
Isotype: IgG	Full Name: nucleolar complex associated 2 homolog (S. cerevisiae)	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG26952	Calculated MW: 749 aa, 85 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : U2OS cells, HEK-293T cells, HuH-7 cells, mouse cerebellum tissue, mouse stomach tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human prostate cancer tissue,
	IF/ICC : U2OS cells,

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

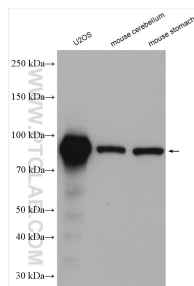
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

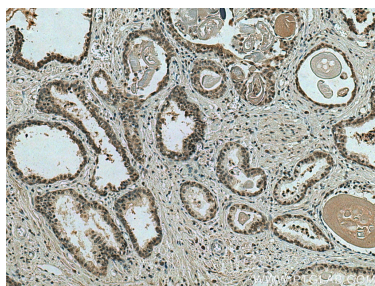
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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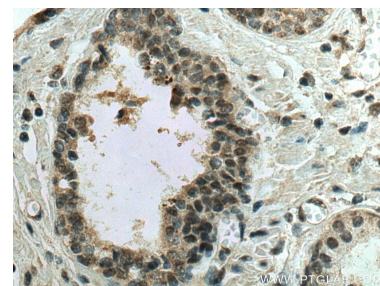
Selected Validation Data



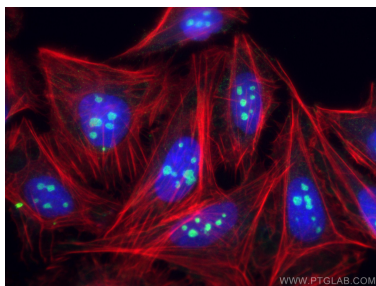
Various lysates were subjected to SDS PAGE followed by western blot with 28509-1-AP (NOC2L antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 28509-1-AP (NOC2L antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 28509-1-AP (NOC2L antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using 28509-1-AP (NOC2L antibody), at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L). Phalloidine stains the F-actin (red).