

For Research Use Only

CNOT4 Recombinant antibody

Catalog Number:83615-4-RR



Basic Information

Catalog Number: 83615-4-RR	GenBank Accession Number: BC035590	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4850	CloneNo.: 240559E1
Source: Rabbit	UNIPROT ID: O95628	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:150-1:600 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: CCR4-NOT transcription complex, subunit 4	
Immunogen Catalog Number: AG3163	Calculated MW: 575 aa, 64 kDa	
	Observed MW: 64-85 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), ELISA

Species Specificity:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : MCF-7 cells, HEK-293T cells, HeLa cells, K-562 cells, Jurkat cells, NIH/3T3 cells

IHC : human ovary cancer tissue,

IF/ICC : HeLa cells,

Background Information

CNOT4, also known as CCR4-NOT transcription complex subunit 4, has E3 ubiquitin ligase activity, and promotes ubiquitination and degradation of target proteins. CNOT4 is involved in activation of the JAK/STAT pathway. CNOT4 exist many isoforms and the range of its molecular weight from 48 to 84 kDa.

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**

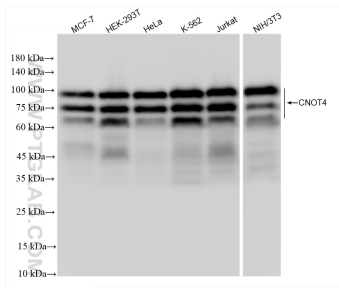
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

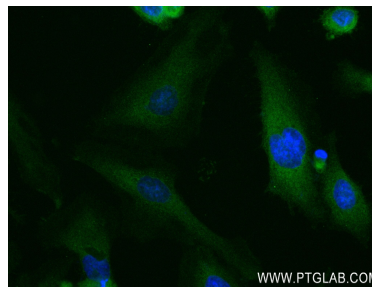
E: proteintech@ptglab.com
W: ptglab.com

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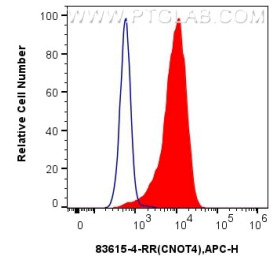
Selected Validation Data



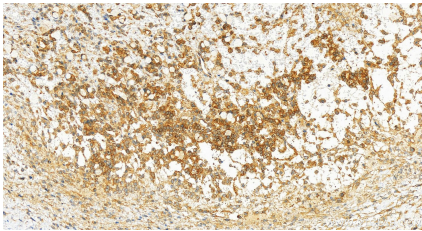
Various lysates were subjected to SDS PAGE followed by western blot with 83615-4-RR (CNOT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



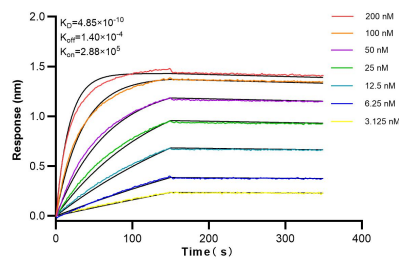
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CNOT4 antibody (83615-4-RR, Clone: 240559E1) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10⁶ HeLa cells were intracellularly stained with 0.25 ug Cnot4 Recombinant Antibody (83615-4-RR, Clone:240559E1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83615-4-RR (CNOT4 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 83615-4-RR against Human CNOT4 were performed. The affinity constant is 0.485 nM.