

For Research Use Only

CNOT4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 83615-4-PBS



Basic Information

Catalog Number: 83615-4-PBS	GenBank Accession Number: BC035590	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4850	CloneNo.: 240559E1
Source: Rabbit	UNIPROT ID: O95628	
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), Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

83615-4-PBS targets CNOT4 as part of a matched antibody pair.

MP00593-1: 83615-4-PBS capture and 83615-3-PBS detection (validated in Cytometric bead array)

MP00593-2: 83615-4-PBS capture and 83615-1-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

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 -80°C.
Storage Buffer:
PBS Only

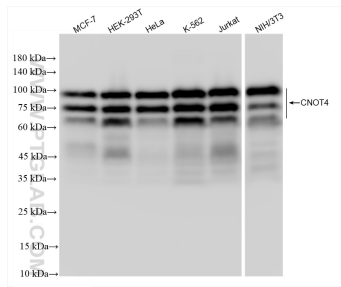
For technical support and original validation data for this product please contact:

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

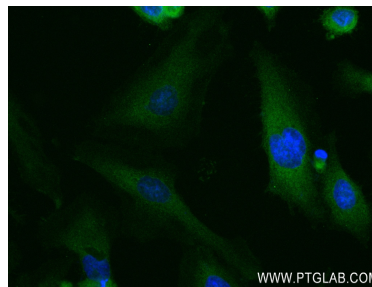
E: proteintech@ptglab.com
W: ptglab.com

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

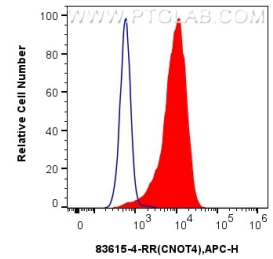
Selected Validation Data



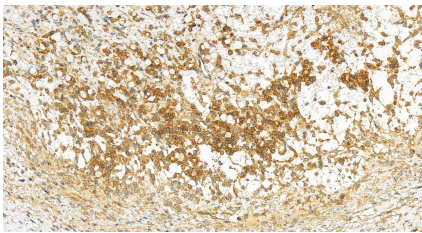
Various lysates were subjected to SDS PAGE followed by western blot with 83615-4-RR (CNOT4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83615-4-PBS in a different storage buffer formulation.



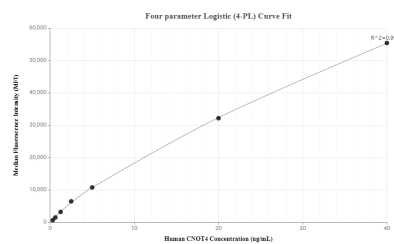
Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CNOT4 antibody (83615-4-RR, Clone: 240559E1) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 83615-4-PBS in a different storage buffer formulation.



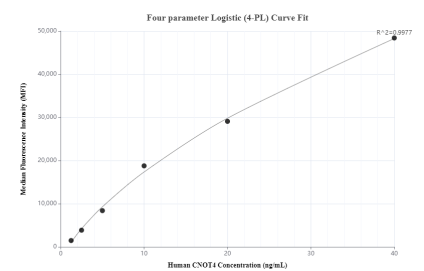
1×10^6 HeLa cells were intracellularly stained with 0.25 ug Cnot4 Recombinant Antibody (83615-4-RR, Clone:240559E1) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 83615-4-PBS in a different storage buffer formulation.



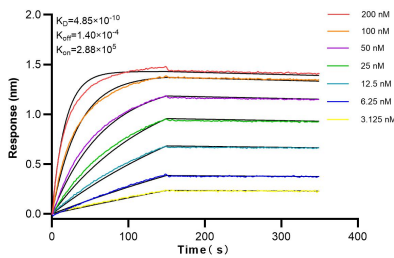
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 83615-4-RR (CNOT4 antibody) at dilution of 1:300 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83615-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00593-1, CNOT4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83615-4-PBS. Detection antibody: 83615-3-PBS. Standard: Ag3163. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP00593-2, CNOT4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83615-4-PBS. Detection antibody: 83615-1-PBS. Standard: Ag3163. Range: 1.25-40 ng/mL.



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