

For Research Use Only

CDK5RAP3 Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 86177-1-PBS



Basic Information

Catalog Number:	86177-1-PBS	GenBank Accession Number:	BC009957
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	80279
Source:	Rabbit	UNIPROT ID:	Q96JB5
Isotype:	IgG	Full Name:	CDK5 regulatory subunit associated protein 3
Immunogen Catalog Number:	AG1474	Calculated MW:	57 kDa
		Observed MW:	65 kDa

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA
Species Specificity:
human, mouse, rat

Product Information

86177-1-PBS targets CDK5RAP3 as part of a matched antibody pair:

MP02384-1: 86177-3-PBS capture and 86177-1-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

Cyclin-dependent kinase 5 (CDK5) regulatory subunit associated protein 3 (CDK5RAP3, also named as C53 or LZAP) was initially identified as a binding protein of CDK5 activator p35. CDK5RAP3 is widely expressed in human tissues and broadly located in subcellular compartments. By interacting with other proteins, CDK5RAP3 participates in the regulation of multiple cellular processes including cell cycle, apoptosis, cell invasion, signaling transduction, autophagy, UFMylation and endoplasmic reticulum (ER) stress.

Storage

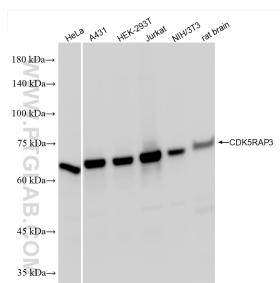
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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)

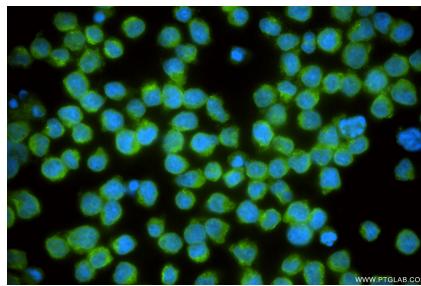
E: proteintech@ptglab.com
W: ptglab.com

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

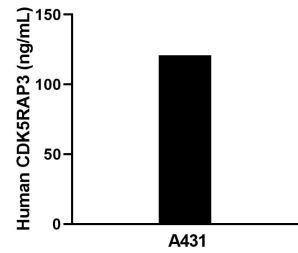
Selected Validation Data



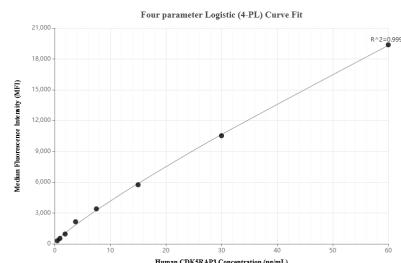
Various lysates were subjected to SDS PAGE followed by western blot with 86177-1-RR (CDK5RAP3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86177-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CDK5RAP3 antibody (86177-1-RR, Clone: 250801G6) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86177-1-PBS in a different storage buffer formulation.



The mean CDK5RAP3 concentration was determined to be 122.4 ng/ml in A431 cell extract based on a 3.7 mg/mL extract load.



Cytometric bead array standard curve of MP02384-1, CDK5RAP3 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86177-3-PBS. Detection antibody: 86177-1-PBS. Standard: Ag1474. Range: 0.469-60 ng/mL.