

For Research Use Only

PINK1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 81991-4-PBS



Basic Information

Catalog Number: 81991-4-PBS	GenBank Accession Number: BC028215	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 65018	CloneNo.: 240449E7
Source: Rabbit	UNIPROT ID: Q9BXM7	
Isotype: IgG	Full Name: PTEN induced putative kinase 1	
Immunogen Catalog Number: AG19825	Calculated MW: 581 aa, 63 kDa	

Applications

Tested Applications:
WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

81991-4-PBS targets PINK1 as part of a matched antibody pair:

MP00404-3: 81991-4-PBS capture and 81991-2-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.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

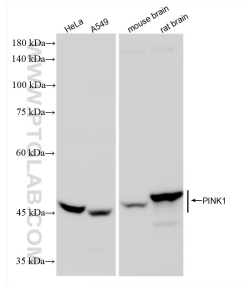
For technical support and original validation data for this product please contact:

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

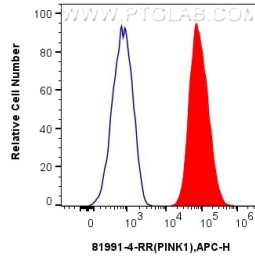
E: proteintech@ptglab.com
W: ptglab.com

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

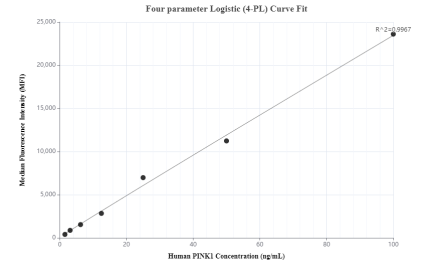
Selected Validation Data



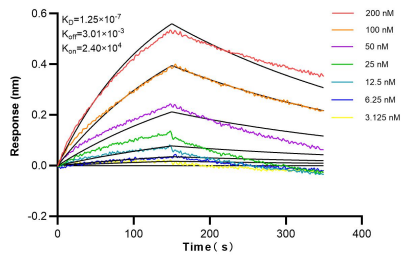
Various lysates were subjected to SDS PAGE followed by western blot with 81991-4-RR (PINK1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 81991-4-PBS in a different storage buffer formulation.



1×10^6 Jurkat cells were intracellularly stained with 0.25 ug PINK1 Recombinant antibody (81991-4-RR, Clone:240449E7) 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 81991-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00404-3, PINK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 81991-4-PBS. Detection antibody: 81991-2-PBS. Standard: Ag19825. Range: 1.56-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 81991-4-RR against Human PINK1 were performed. The affinity constant is 125 nM.