

For Research Use Only

PYROXD2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 83954-1-PBS



Basic Information

Catalog Number: 83954-1-PBS	GenBank Accession Number: BC006131	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 84795	CloneNo.: 240984A12
Source: Rabbit	UNIPROT ID: Q8N2H3	
Isotype: IgG	Full Name: chromosome 10 open reading frame 33	
Immunogen Catalog Number: AG14701	Calculated MW: 581 aa, 63 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

83954-1-PBS targets PYROXD2 as part of a matched antibody pair:

MP00905-1: 83954-2-PBS capture and 83954-1-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

Pyridine Nucleotide-Disulfide Oxidoreductase Domain 2 (PYROXD2, previously called YueF, C10orf33) is a mitochondrial inner membrane/matrix-residing protein and is reported to regulate mitochondrial function. PYROXD2 is highly expressed in the cytoplasm of normal cells and tissues but is expressed at lower levels in corresponding cancer cells, including liver, lung and renal cell carcinoma and bladder cancer cells (PMID: 29048625, PMID: 35606887).

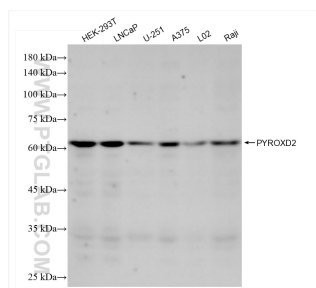
Storage

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

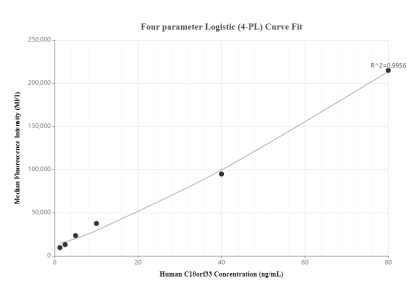
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

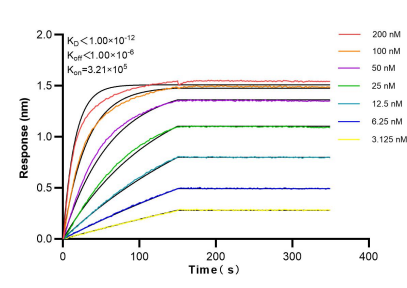
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83954-1-RR (PYROXD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83954-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00905-1, C10orf33 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83954-2-PBS. Detection antibody: 83954-1-PBS. Standard: Ag14701. Range: 1.25-80 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83954-1-RR against Human PYROXD2 were performed. The affinity constant is below 1 pM.