

For Research Use Only

# PYROXD2 Recombinant antibody, PBS Only (Detector)

Catalog Number:83954-1-PBS



## Basic Information

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

## Applications

**Tested Applications:**  
WB, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## 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.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

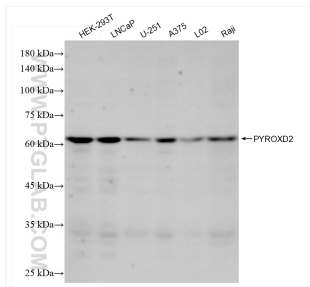
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

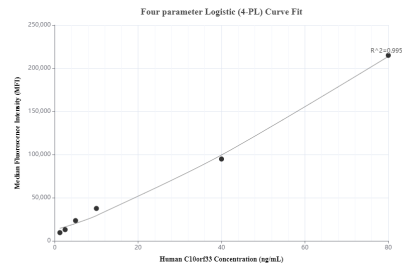
W: [ptgcn.com](http://ptgcn.com)

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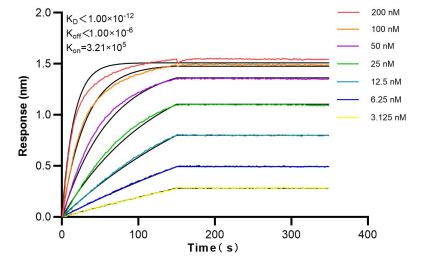
## Selected Validation Data



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.



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