

For Research Use Only

PYROXD2 Polyclonal antibody, PBS Only

Catalog Number: 21845-1-PBS



Basic Information

Catalog Number:

21845-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15004

GenBank Accession Number:

BC006131

GeneID (NCBI):

84795

UNIPROT ID:

Q8N2H3

Full Name:

chromosome 10 open reading frame

33

Calculated MW:

581 aa, 63 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:

human, mouse, rat

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, pH7.3

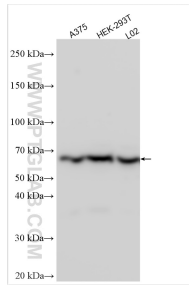
For technical support and original validation data for this product please contact:

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

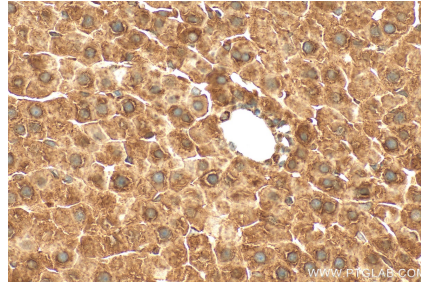
E: proteintech@ptglab.com
W: ptglab.com

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

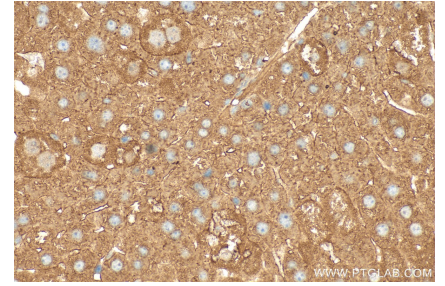
Selected Validation Data



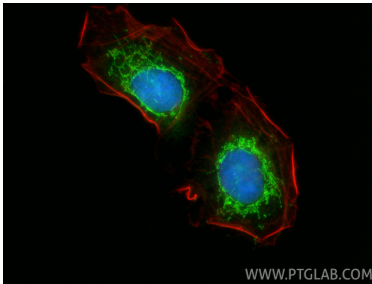
Various lysates were subjected to SDS PAGE followed by western blot with 21845-1-AP (PYROXD2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 21845-1-PBS in a different storage buffer formulation.



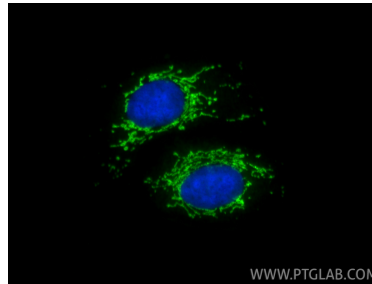
Immunohistochemical analysis of paraffin-embedded rat liver tissue slide using 21845-1-AP (PYROXD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21845-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 21845-1-AP (PYROXD2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21845-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using PYROXD2 antibody (21845-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 21845-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using PYROXD2 antibody (21845-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 21845-1-PBS in a different storage buffer formulation.