

For Research Use Only

Frataxin Recombinant antibody, PBS Only

Catalog Number: 86195-4-PBS



Basic Information

Catalog Number: 86195-4-PBS	GenBank Accession Number: NM_000144.5	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 2395	CloneNo.: 250761C8
Source: Rabbit	UNIPROT ID: Q16595-1	
Isotype: IgG	Full Name: frataxin	
Immunogen Catalog Number: EG4622	Calculated MW: 23kDa	
	Observed MW: 14-23 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Frataxin (FXN), also named as FRDA, X25, m81-FXN, d-FXN, m78-FXN and i-FXN, belongs to the frataxin family. It promotes the biosynthesis of heme and assembly and repair of iron-sulfur clusters by delivering Fe²⁺ to proteins involved in these pathways. FXN may play a role in the protection against iron-catalyzed oxidative stress through its ability to catalyze the oxidation of Fe²⁺ to Fe³⁺; the oligomeric form but not the monomeric form has in vitro ferroxidase activity. FXN is cleaved to be 4 chains. FXN is expressed in the cytoplasm as a 210 amino acid (AA) precursor protein (pFXN; 23 KDa) that is translocated into mitochondria where it is processed by two consecutive steps into iFXN (FXN 42-210; 19 KDa) and finally mFXN (81-210; 14.2 KDa), which is functional. (PMID: 26704351, PMID: 26671574)

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, pH7.3

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

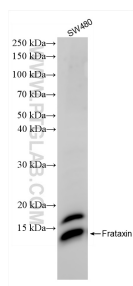
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E: Proteintech-CN@ptglab.com

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

Selected Validation Data



SW480 cells were subjected to SDS PAGE followed by western blot with 86195-4-RR (Frataxin antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86195-4-PBS in a different storage buffer formulation.