

Nur für Forschungszwecke

FXN Polyklonaler Antikörper

Katalog-Nr.: 14147-1-AP

Vorgestelltes Produkt

12 Publikationen



Allgemeine Informationen

Katalog-Nr.: 14147-1-AP	GenBank-Zugangsnummer: BC048097	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 2395	Empfohlene Verdünnungen: WB 1:1000-1:6000
Wirt: Kaninchen	Vollständiger Name: frataxin	
Isotyp: IgG	Berechnete Masse: 23 kDa	
Immunogen Katalognummer: AG5316	Beobachtete Masse: 14 kDa	

Anwendungen

Geprüfte Anwendungen: WB, ELISA	Positivkontrollen: WB: HCT 116-Zellen, Jurkat-Zellen, K-562-Zellen, Mausebergewebe, Raji-Zellen
In Publikationen genannte Anwendungen: IHC, WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

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)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Jingjing Liu	33017621	Toxicology	WB
Daniel Fil	32586831	Dis Model Mech	WB
Yanjie Li	35708503	Hum Mol Genet	WB

Lagerung

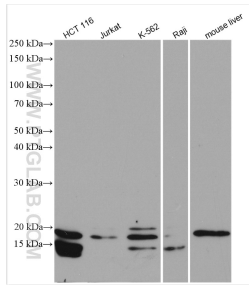
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

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.

Ausgewählte Validierungsdaten



Various lysates were subjected to SDS PAGE followed by western blot with 14147-1-AP (FXN antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.