Mouse anti-Human Frataxin Monoclonal Antibody | anti-FXN antibody

Frataxin antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48258	**Mouse**	**Human**	**Immunofluorescence, Immunocytochemistry, Western Blot, ELISA**

PRODUCT SYNONYMS

Frataxin; Monoclonal Antibody; Frataxin antibody; CyaY; FA; FARR; FRDA; X25; FXN; Friedreich ataxia protein.; anti-FXN antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	AT10E11
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol
Concentration	1mg/ml (determined by BCA assay) (varies by lot)
Applicable Applications for anti-FXN antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Frataxin (42-210aa) purified from E. coli
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

IMAGES

IF (Immunofluorescence)
ICC/IF analysis of Frataxin in A549 cell line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Frataxin antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

WB (Western Blot)
The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Frataxin antibody (1:1000).Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.Lane 1: 293T cell lysateLane 2: Frataxin transfected 293T cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FXN antibody	Frataxin, also known as FXN, is an iron binding protein which belongs to FRATAXIN family. It is an anti-apoptotic protein which prevents mitochondrial damage, reactive oxygen species production and act as either an iron chaperone or an iron storage protein. Frataxin is localized to the mitochondrion and regulating mitochondrial iron transport and respiration. Defects in this protein cause Friedreich ataxia.
Product Categories/Family for anti-FXN antibody	Signal Transduction; Metabolism
References	Campuzano V., et al. (1996) Science. 271 (5254): 1423-7. ; Shan Y., et al. (2007) Hum Mol Genet. 16 (8): 929-41.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31077081
NCBI GeneID	2395
NCBI Accession #	NP_000135
NCBI GenBank Nucleotide #	NM_000144.4
UniProt Accession #	Q16595; O15545; O95656; Q15294; Q5VZ01; A8MXJ6; C9JJ89
NCBI Official Full Name	frataxin, mitochondrial isoform 1 preproprotein
NCBI Official Synonym Full Names	frataxin
NCBI Official Symbol	FXN
NCBI Official Synonym Symbols	FA; X25; CyaY; FARR; FRDA
NCBI Protein Information	frataxin, mitochondrial
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	**FXN**
UniProt Synonym Gene Names	FRDA; X25; Fxn; i-FXN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/frataxin-antibody-clone-at10e11-immunofluorescence-immunocytochemistry-western-blot-elisa/48258