

Rabbit FXN Polyclonal Antibody | anti-FXN antibody

FXN Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281706	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

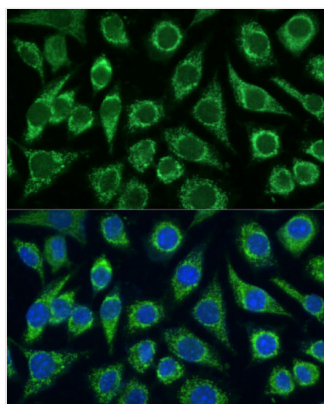
PRODUCT SYNONYMS

FXN; Polyclonal Antibody; FXN Rabbit pAb; CyaY; FA; FARR; FRDA; X25; frataxin; anti-FXN antibody

PRODUCT SPECIFICATIONS

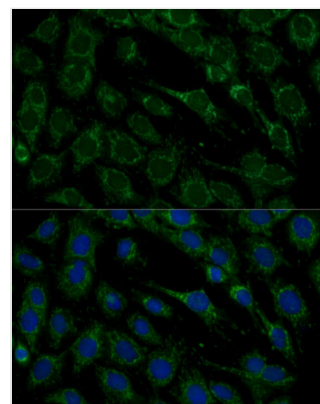
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Sequence	LRTDIDATCT PRRASSNQRG LNQIWNVKKQ SVYLMNLRKS GTLGHPGSLD ETTYERLAEE TLDSLAEFFE DLADKPYTE DYDVSEFGSGV LTVKLGGDLG TYVINKQTPN KQIWLSSPSS GPKRYDWTGK NWVYSHDGVS LHELLAAELT KALKTKLDLS SLAYSGKDA
Applicable Applications for anti-FXN antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 42-210 of human FXN (NP_000135.2).
Cellular Location	Cytoplasm, Mitochondrion
Positive Samples	K-562, U-87MG, Jurkat
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



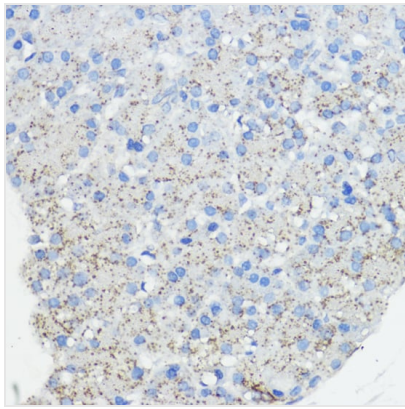
IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using FXN / Frataxin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



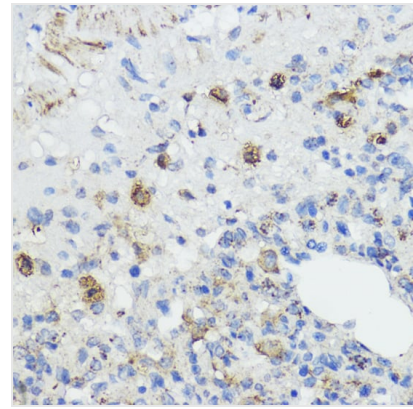
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using FXN / Frataxin antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



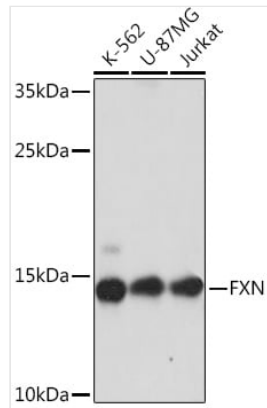
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat pancreas using FXN / Frataxin antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat lung using FXN / Frataxin antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using FXN Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-FXN antibody	Background: This nuclear gene encodes a mitochondrial protein which belongs to the FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA from 8-33 repeats to >90 repeats results in Friedreich ataxia. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-FXN antibody	Endocrine & Metabolism ; Mitochondrial metabolism ; Mitochondrial markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	6166193
NCBI GeneID	2395
UniProt Accession #	Q16595 ; O15545 ; O95656 ; Q15294 ; Q5VZ01 ; A8MXJ6 ; C9JJ89
Molecular Weight	210
NCBI Official Full Name	Frataxin, mitochondrial
NCBI Official Synonym Full Names	frataxin
NCBI Official Symbol	FXN
NCBI Official Synonym Symbols	FA; X25; CyaY; FARR; FRDA

NCBI Protein Information	frataxin, mitochondrial; Friedreich ataxia protein
UniProt Protein Name	Frataxin, mitochondrial
UniProt Gene Name	FXN
UniProt Synonym Gene Names	FRDA; X25; Fxn; i-FXN
UniProt Entry Name	FRDA_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/fxn-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281706>