

Product datasheet for **CF504254**

Frataxin (FXN) Mouse Monoclonal Antibody [Clone ID: OTI1C12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1C12
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:1000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FXN(NP_000135) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	18.8 kDa
Gene Name:	Homo sapiens frataxin (FXN), transcript variant 1, mRNA; nuclear gene for mitochondrial product.
Database Link:	NP_000135 Entrez Gene 2395 Human Q16595



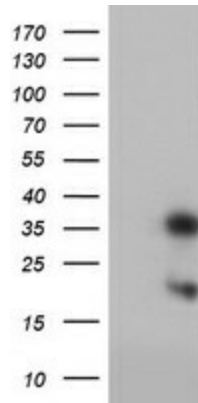
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Background: This nuclear gene encodes a mitochondrial protein which belongs to FRATAXIN family. The protein functions in regulating mitochondrial iron transport and respiration. The expansion of intronic trinucleotide repeat GAA results in Friedreich ataxia. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

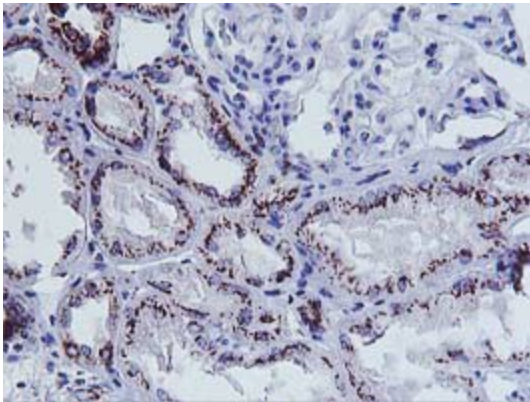
Synonyms: CyaY; FA; FARR; FRDA; X25

Protein Families: Druggable Genome

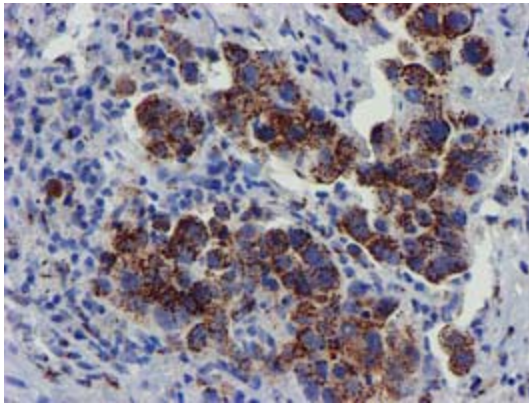
Product images:



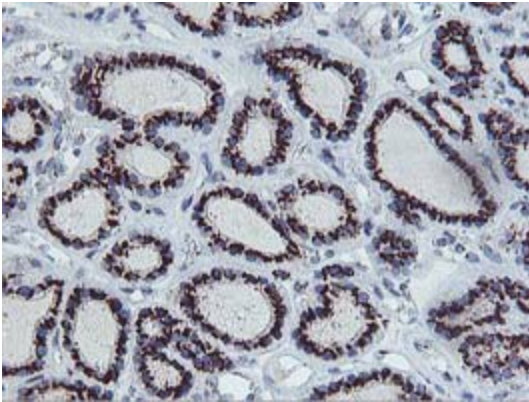
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FXN (Cat# [RC204880], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FXN (Cat# [TA504254]). Positive lysates [LY400054] (100ug) and [LC400054] (20ug) can be purchased separately from OriGene.



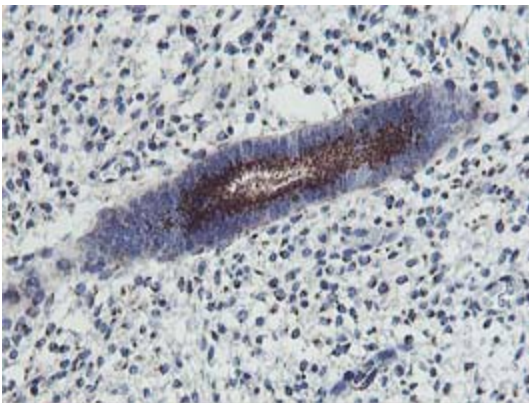
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254]).



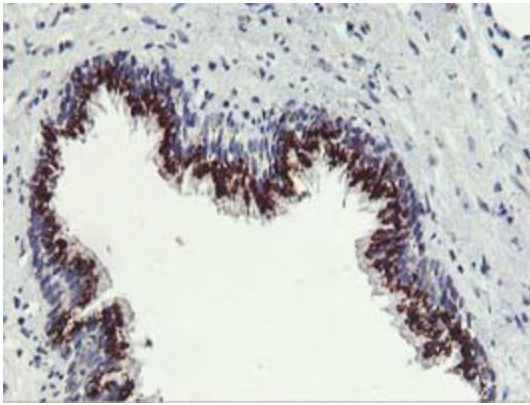
Immunohistochemical staining of paraffin-embedded Carcinoma of Human lung tissue using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254]).



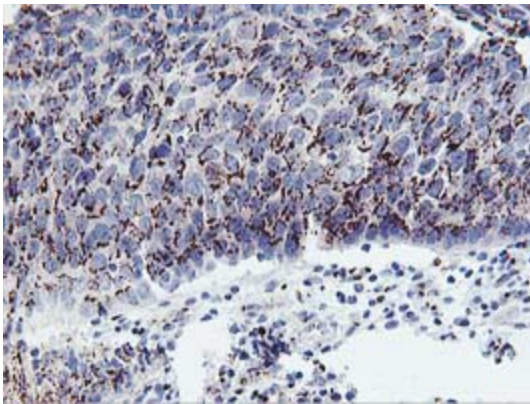
Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254]).



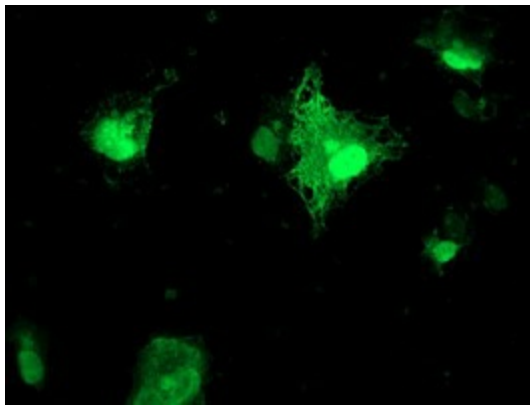
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254]).



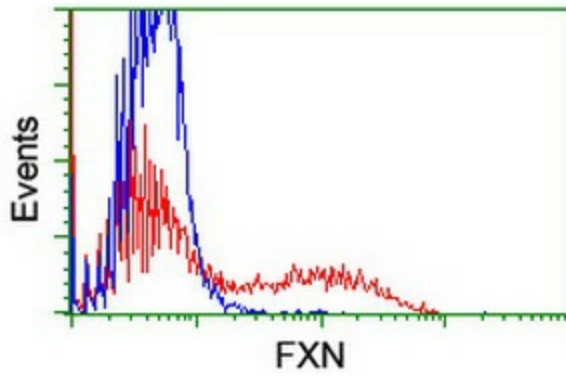
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254])



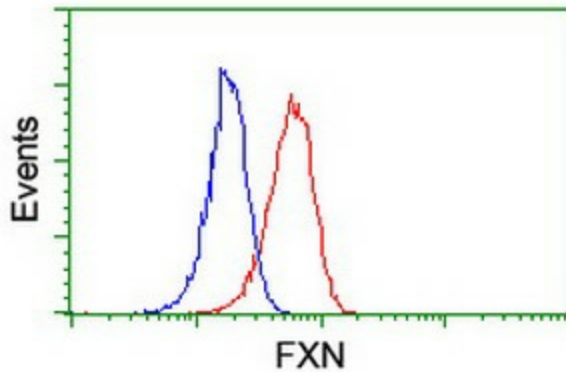
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA504254])



Anti-FXN mouse monoclonal antibody ([TA504254]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FXN ([RC204880]).



HEK293T cells transfected with either [RC204880] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FXN antibody ([TA504254]), and then analyzed by flow cytometry.



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FXN ([RC204880], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FXN. Positive lysates [LY400054] (100ug) and [LC400054] (20ug) can be purchased separately from OriGene.