

## Product datasheet for **TA504254**

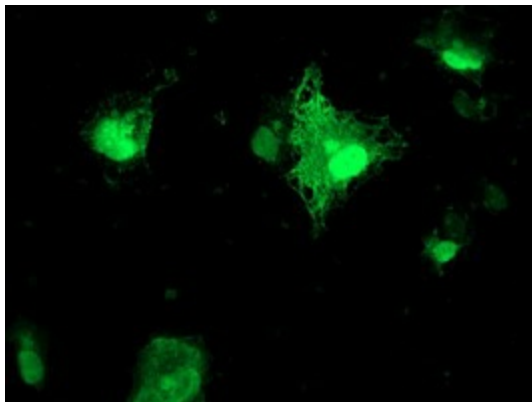
### Frataxin (FXN) Mouse Monoclonal Antibody [Clone ID: OTI1C12]

#### Product data:

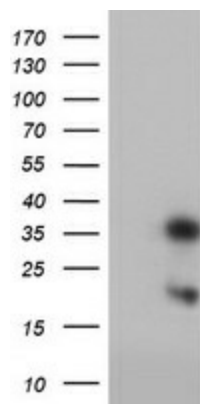
Product Type:	Primary Antibodies
Clone Name:	OTI1C12
Applications:	FC, IF, IHC, WB
Recommend Dilution:	WB 1:1000, IHC 1:150, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FXN(NP_000135) produced in HEK293T cell.
Formulation:	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.47 mg/ml
Purification:	Purified from mouse ascites fluids by affinity chromatography
Predicted Protein Size:	18.8 kDa
Gene Name:	frataxin
Database Link:	<a href="#">NP_000135 Entrez Gene 2395 Human</a>
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; frataxin; FRDA; MGC57199; X25
Protein Families:	Druggable Genome



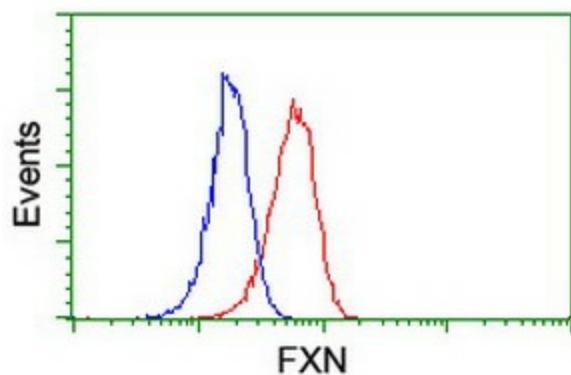
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**Product images:**

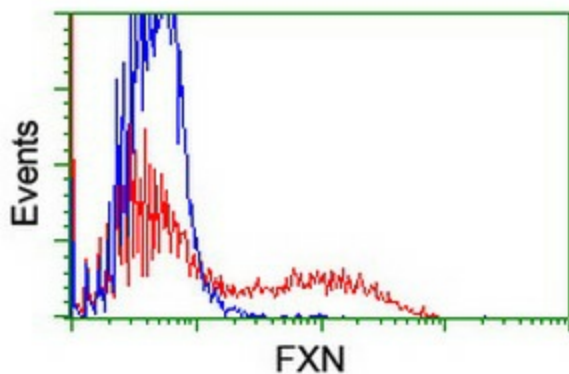
Anti-FXN mouse monoclonal antibody (TA504254) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY FXN (RC204880).



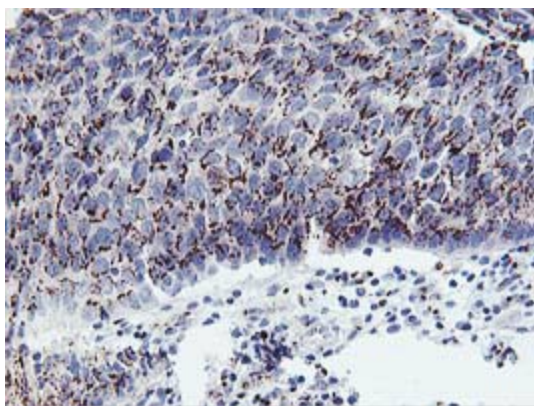
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FXN (RC204880, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FXN. Positive lysates LY400054 (100ug) and LC400054 (20ug)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



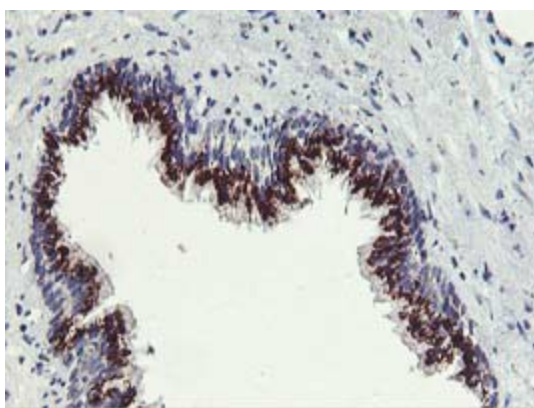
Flow cytometric Analysis of Jurkat cells, using anti-FXN antibody (TA504254), (Red), compared to a nonspecific negative control antibody, (Blue).



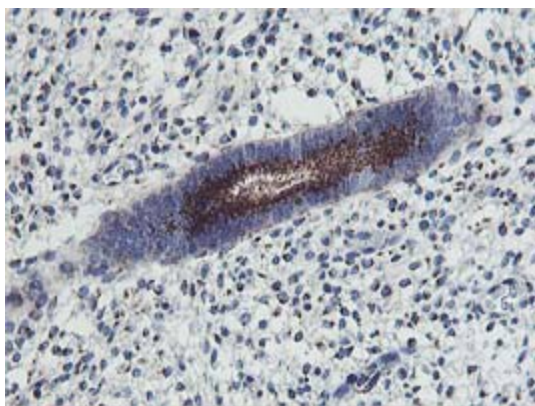
HEK293T cells transfected with either RC204880 overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FXN antibody (TA504254), and then analyzed by flow cytometry.



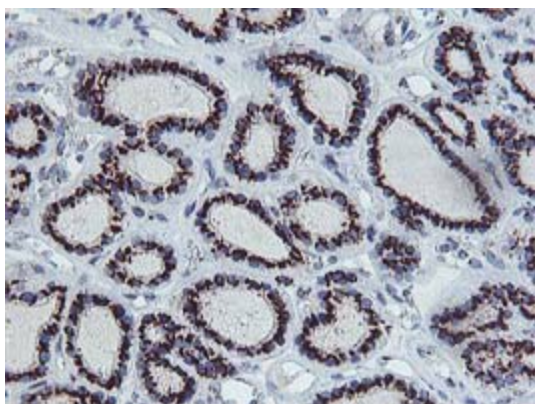
Immunohistochemical staining of paraffin-embedded Carcinoma of Human bladder tissue using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504254)



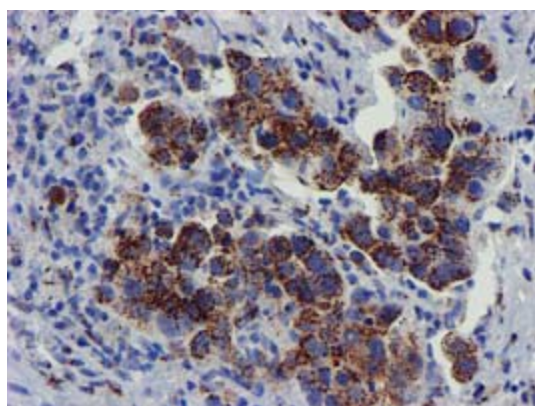
Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504254)



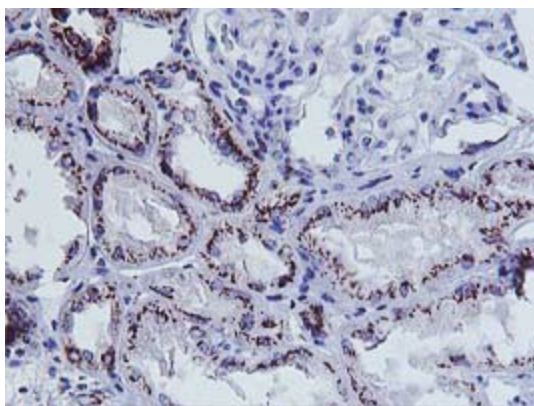
Immunohistochemical staining of paraffin-embedded Human endometrium tissue within the normal limits using anti-FXN mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504254)



Immunohistochemical staining of paraffin-embedded 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 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 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)