

Frataxin Antibody / FXN [clone FDAX-1] (V3997)

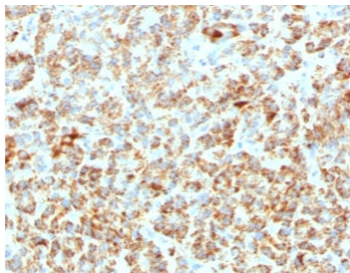
Catalog No.	Formulation	Size
V3997-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3997-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3997SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3997IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	FDAX-1
Purity	Protein G affinity chromatography
UniProt	Q16595
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Prediluted IHC Only Format : incubate for 30 min at RT (1)
Limitations	This Frataxin antibody is available for research use only.



Western blot testing of Frataxin antibody and human HepG2 cell lysate (clone FDAX-1).
Expected molecular weight: ~23 kDa (full length), ~14 kDa (mature).



IHC testing of FFPE human pancreas with Frataxin antibody (clone FDAX-1). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.

Description

Reduced expression of frataxin is the cause of Friedreich's ataxia (FRDA), a lethal neurodegenerative disease. The reduction in frataxin gene expression may be attributable from either the silencing of transcription of the frataxin gene because of epigenetic modifications in the chromosomal entity or from the inability of splicing the expanded GAA repeats in the first intron of the pre-mRNA as seen in bacteria and human cells or both. The expansion of intronic trinucleotide repeat GAA results in Friedreich's ataxia. [Wiki]

Application Notes

Optimal dilution of the Frataxin antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 57-210 from the human protein were used as the immunogen for this Frataxin antibody.

Storage

Store the Frataxin antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).