# Frataxin/FXN Rabbit mAb

Catalog No.: A25507 Recombinant



## **Basic Information**

### **Observed MW**

16kDa/20kDa

### **Calculated MW**

23kDa

### Category

Primary antibody

### **Applications**

ELISA,WB,IF/ICC

#### **Cross-Reactivity**

Human, Mouse, Rat

#### CloneNo number

ARC66744

## **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.

# **Recommended Dilutions**

**WB** 1:500 - 1:1000

**IF/ICC** 1:50 - 1:200

## **Immunogen Information**

**Gene ID**2395

Swiss Prot
Q16595

#### **Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 42-210 of human Frataxin/FXN (NP\_000135.2).

## **Synonyms**

FA; X25; CyaY; FARR; FRDA

### **Contact**

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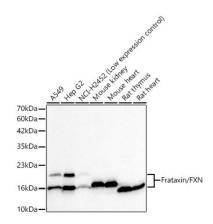
## **Product Information**

SourceIsotypePurificationRabbitIgGAffinity purification

### Storage

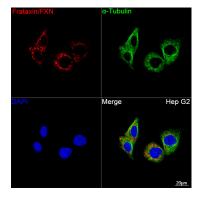
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

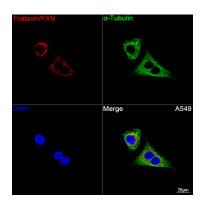


Western blot analysis of various lysates using Frataxin/FXN Rabbit mAb (A25507) at 1:1000 dilution. Secondary antibody:HRP Goat Anti-Rabbit IgG (H+L)(AS014) at 1:10000 dilution. Lysates / proteins: 25  $\mu$ g per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection:ECL Basic Kit (RM00020).

Exposuretime: 60s.



Confocal imaging of Hep G2 cells using Frataxin/FXN Rabbit mAb (A25507, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha\text{-Tubulin}$  Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of A549 cells using Frataxin/FXN Rabbit mAb (A25507, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo \$ 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.