

# Fukutin Rabbit mAb

Catalog No.: A1385 **Recombinant**

## Basic Information

### Observed MW

54kDa

### Calculated MW

54kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### Cross-Reactivity

Human, Mouse, Rat

### CloneNo number

ARC2559

## Background

The protein encoded by this gene is a putative transmembrane protein that is localized to the cis-Golgi compartment, where it may be involved in the glycosylation of alpha-dystroglycan in skeletal muscle. The encoded protein is thought to be a glycosyltransferase and could play a role in brain development. Defects in this gene are a cause of Fukuyama-type congenital muscular dystrophy (FCMD), Walker-Warburg syndrome (WWS), limb-girdle muscular dystrophy type 2M (LGMD2M), and dilated cardiomyopathy type 1X (CMD1X). Alternatively spliced transcript variants have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

## Immunogen Information

### Gene ID

2218

### Swiss Prot

O75072

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 362-461 of human Fukutin (O75072).

### Synonyms

FCMD; CMD1X; LGMD2M; MDDGA4; MDDGB4; MDDGC4; LGMDR13; Fukutin

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

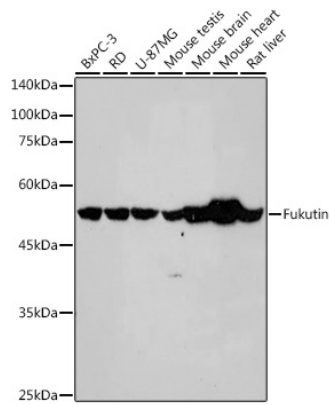
Affinity purification

### Storage

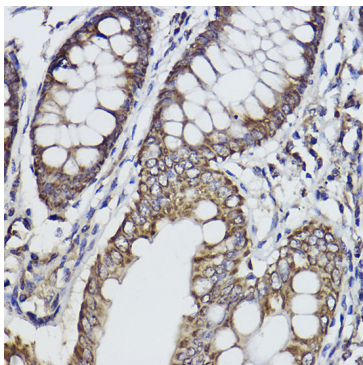
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data



Western blot analysis of various lysates using Fukutin Rabbit mAb (A1385) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunohistochemistry analysis of paraffin-embedded human colon using Fukutin Rabbit mAb (A1385) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.