

Datasheet for ABIN952403  
**anti-Fukutin antibody (Middle Region)**

## 2 Images

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## Overview

Quantity:	0.4 mL
Target:	Fukutin (FKTN)
Binding Specificity:	AA 184-214, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 184-214 amino acids from the Central region of Human Fukutin. Genename: FKTN
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse FKTN (Center).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	Fukutin (FKTN)
Alternative Name:	Fukutin ( <a href="#">FKTN Products</a> )
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

## Target Details

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. Synonyms: FCMD, FKTN, Fukuyama-type congenital muscular dystrophy protein

Molecular Weight: 53724 Da

Gene ID: 2218

NCBI Accession: [NP\\_001073270](#)

Pathways: [Regulation of Carbohydrate Metabolic Process](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

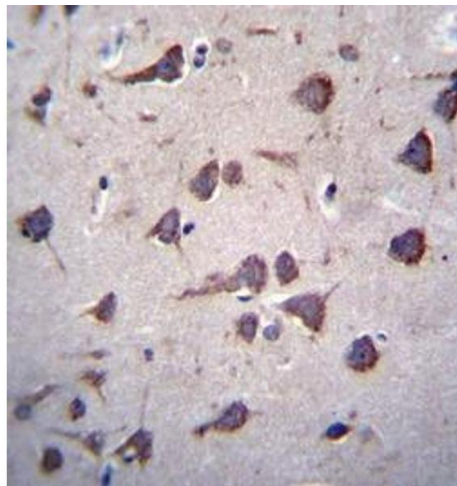
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

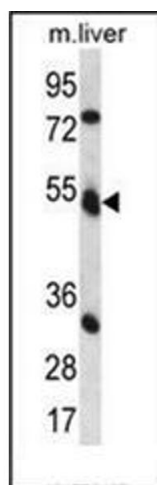
Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue reacted with Fukutin Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.



#### Western Blotting

**Image 2.** Western blot analysis of Fukutin Antibody (Center) in mouse liver tissue lysates (35ug/lane). This demonstrates the FKTN antibody detected the FKTN protein (arrow).