

**Fkrp antibody - C-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI12521****Specification**

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**Fkrp antibody - C-terminal region - Product Information**

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|-------------------|--------------------------------------------------------------------|
| Application       | WB                                                                 |
| Primary Accession | <a href="#">Q8CG64</a>                                             |
| Other Accession   | <a href="#">NM_173430</a> , <a href="#">NP_775606</a>              |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine, Guinea Pig, Dog |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Bovine                  |
| Host              | Rabbit                                                             |
| Clonality         | Polyclonal                                                         |
| Calculated MW     | 55kDa KDa                                                          |

**Fkrp antibody - C-terminal region - Additional Information****Gene ID** 243853**Alias Symbol** **A830029B19Rik, AI842067, AI847300, LGMD1I, MDC1C****Other Names**

Fukutin-related protein, 2.-.-., Fkrp

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-Fkrp antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

Fkrp antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**Fkrp antibody - C-terminal region - Protein Information****Name** Fkrp {ECO:0000312|MGI:MGI:2447586}**Function**

Catalyzes the transfer of CDP-ribitol to ribitol 5-phosphate previously attached by FKTN/fukutin of to the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4- (phosphate-6-)mannose), a carbohydrate structure present in alpha- dystroglycan (DAG1) (PubMed:<a href="http://www.uniprot.org/citations/26923585" target="\_blank">26923585</a>). This constitutes the second step in the formation of the ribose 5-phosphate tandem repeat which links

the phosphorylated O-mannosyl trisaccharide to the ligand binding moiety composed of repeats of 3-xylosyl- $\alpha$ -1,3-glucuronic acid- $\beta$ -1 (PubMed:<a href="http://www.uniprot.org/citations/26923585" target="\_blank">26923585</a>).

#### Cellular Location

Golgi apparatus membrane; Single-pass type II membrane protein. Secreted. Cell membrane, sarcolemma. Rough endoplasmic reticulum {ECO:0000250|UniProtKB:Q9H9S5}. Cytoplasm. Note=The N-terminal hydrophobic domain is cleaved after translocation to the Golgi apparatus and the protein is secreted (PubMed:19900540). Localization at the cell membrane may require the presence of dystroglycan (PubMed:17452335). At the Golgi apparatus localizes to the middle-to-trans-cisternae (PubMed:12471058, PubMed:17554798). Detected in rough endoplasmic reticulum in myocytes (By similarity). {ECO:0000250|UniProtKB:Q9H9S5, ECO:0000269|PubMed:12471058, ECO:0000269|PubMed:17452335, ECO:0000269|PubMed:17554798, ECO:0000269|PubMed:19900540}

#### Tissue Location

Expressed in the retina, specifically in the inner segments of the photoreceptors, the outer plexiform layers, inner nuclear layers, and ganglion cell layers (at protein level) (PubMed:29416295). Expressed at highest levels in brain, lung, heart, kidney and liver (PubMed:12471058).

#### Fkrp antibody - C-terminal region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Fkrp antibody - C-terminal region - Images



WB Suggested Anti-Fkrp Antibody Titration: 1.0  $\mu$ g/ml  
Positive Control: Mouse liver