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Datasheet for ABIN5009048

anti-POMT1 antibody (AA 651-747) (AbBy Fluor® 680)

Overview

Quantity:	100 µL
Target:	POMT1
Binding Specificity:	AA 651-747
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POMT1 antibody is conjugated to AbBy Fluor® 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human POMT1
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Cow, Pig, Horse
Purification:	Purified by Protein A.

Target Details

Target:	POMT1
Alternative Name:	POMT1 (POMT1 Products)
Background:	Synonyms: POMT1_HUMAN, Protein O-mannosyl-transferase 1, Dolichyl-phosphate-mannose--

Target Details

protein mannosyltransferase 1.

Background: POMT1 (Protein O mannosyl transferase 1) is a multipass membrane protein that is found in the endoplasmic reticulum. POMT1 catalyses the transfer of mannosyl residues to the hydroxyl groups of serine or threonine residues. Enzymatic activity is dependent on co expression of POMT1 with POMT2. Defects in the POMT1 gene are associated with Walker-Warburg syndrome (WWS), a congenital muscular dystrophy that is associated with mental retardation and is usually lethal within the first few months of life. Other defects in the POMT1 gene result in limb girdle muscular dystrophy type 2K (LGMD2K), which is associated with mild mental retardation. Studies in *Drosophila* suggest that mutation of POMT1 alters the efficacy of synaptic transmission and a change in subunit composition of post synaptic glutamate receptors at the neuromuscular junction. Missense mutations in POMT1 have been associated with glioneuronal and glial brain tumours.

Gene ID: 10585

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months