Datasheet for ABIN7602699

anti-POMGNT1 antibody (AA 96-394)

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Overview

Quantity:	100 µg
Target:	POMGNT1
Binding Specificity:	AA 96-394
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POMGNT1 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-POMGNT1 Antibody Picoband®
Immunogen:	E.coli-derived human POMGNT1 recombinant protein (Position: R96-E394). Human POMGNT1 shares 99.7% amino acid (aa) sequence identity with both mouse and rat POMGNT1.
Characteristics:	Anti-POMGNT1 Antibody Picoband® (ABIN7602699). Tested in WB, IHC, Flow Cytometry, ELISA applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	POMGNT1
Alternative Name:	POMGNT1 (POMGNT1 Products)
Background:	Protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1 is an enzyme that in humans is encoded by the POMGNT1 gene. This gene encodes a type II transmembrane protein that resides in the Golgi apparatus. It participates in O-mannosyl glycosylation and is specific for alpha linked terminal mannose. Mutations in this gene may be associated with muscle-eye-brain disease and several congenital muscular dystrophies. Alternatively spliced transcript variants that encode different protein isoforms have been described.
Molecular Weight:	75 kDa
Gene ID:	55624

Application Details

Application Notes:	Western blot, 0.1-0.25 µg/mL, Human, Mouse, Rat Immunohistochemistry, 2-5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Biancheri, R., Bertini, E., Falace, A., Pedemonte, M., Rossi, A., D'Amico, A., Scapolan, S., Bergamino, L., Petrini, S., Cassandrini, D., Broda, P., Manfredi, M., Zara, F., Santorelli, F. M., Minetti, C., Bruno, C. POMGnT1 mutations in congenital muscular dystrophy: genotype-phenotype correlation and expanded clinical spectrum. Arch. Neurol. 63: 1491-1495, 2006. 2. Bouchet, C., Gonzales, M., Vuillaumier-Barrot, S., Devisme, L., Lebizec, C., Alanio, E., Bazin, A., Bessieres-Grattagliano, B., Bigi, N., Blanchet, P., Bonneau, D., Bonnieres, M., and 22 others. Molecular heterogeneity in fetal forms of type II lissencephaly. Hum. Mutat. 28: 1020-1027, 2007. 3. Clement, E. M., Godfrey, C., Tan, J., Brockington, M., Torelli, S., Feng, L., Brown, S. C., Jimenez-Mallebrera, C., Sewry, C. A., Longman, C., Mein, R., Abbs, S., Vajsar, J., Schachter, H., Muntoni, F. Mild POMGnT1 mutations underlie a novel limb-girdle muscular dystrophy variant. Arch. Neurol. 65: 137-141, 2008.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.