

CLN3 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a full length recombinant CLN3. Catalog # AT1561a

Product Information

Application WB, E **Primary Accession** Q13286 **Other Accession** BC002394 Reactivity Human Host Mouse Clonality monoclonal Isotype IgG2a Kappa **Clone Names** 1G10

Clone Names 1G10 Calculated MW 47623

Additional Information

Gene ID 1201

Other Names Battenin, Batten disease protein, Protein CLN3, CLN3, BTS

Target/Specificity CLN3 (AAH02394.1, 1 a.a. ~ 438 a.a) full-length recombinant protein with GST

tag. MW of the GST tag alone is 26 KDa.

Dilution WB~~1:500~1000 E~~N/A

Format Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions CLN3 Antibody (monoclonal) (M03) is for research use only and not for use in

diagnostic or therapeutic procedures.

Background

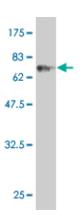
This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (CLN) genes, cause neurodegenerative diseases commonly known as Batten disease or collectively known as neuronal ceroid lipofuscinoses (NCLs). Many alternatively spliced transcript variants have been found for this gene.

References

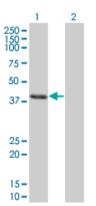
Genotype does not predict severity of behavioural phenotype in juvenile neuronal ceroid lipofuscinosis (Batten disease). Adams HR, et al. Dev Med Child Neurol, 2010 Jul. PMID 20187884.Interaction between Sdo1p and Btn1p in the Saccharomyces cerevisiae model for Batten disease. Vitiello SP, et al. Hum Mol

Genet, 2010 Mar 1. PMID 20015955.Common variants at five new loci associated with early-onset inflammatory bowel disease. Imielinski M, et al. Nat Genet, 2009 Dec. PMID 19915574.Protracted course of juvenile ceroid lipofuscinosis associated with a novel CLN3 mutation (p.Y199X). Sarpong A, et al. Clin Genet, 2009 Jul. PMID 19489875.S. pombe btn1, the orthologue of the Batten disease gene CLN3, is required for vacuole protein sorting of Cpy1p and Golgi exit of Vps10p. Codlin S, et al. J Cell Sci, 2009 Apr 15. PMID 19299465.

Images

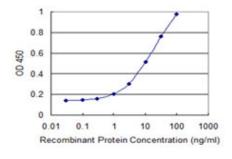


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (73.92 KDa) .



Western Blot analysis of CLN3 expression in transfected 293T cell line by CLN3 monoclonal antibody (M03), clone 1G10.

Lane 1: CLN3 transfected lysate(47.623 KDa). Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged CLN3 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.