ARG55775
anti-CLN3 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CLN3
Tested Reactivity	Hu, Ms
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CLN3
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 250-284 (Center) of Human CLN3.
Conjugation	Un-conjugated
Alternate Names	Protein CLN3; JNCL; Batten disease protein; BTS; Battenin

Application Instructions

Application table

Application	Dilution
FACS	1:25
IHC-P	1:25
WB	1:1000

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Positive Control: SH-SY5Y

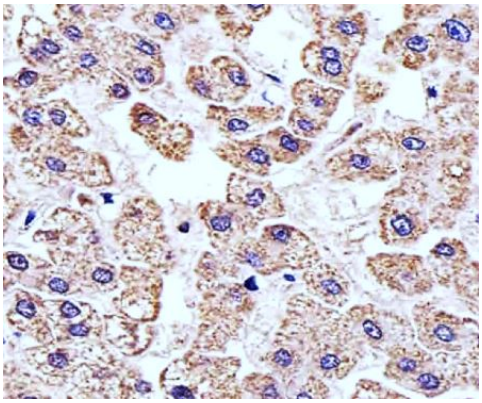
Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) sodium azide.
Preservative	0.09% (W/V) sodium azide.
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

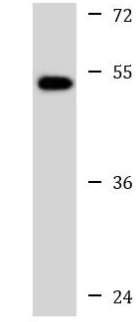
Database links	GeneID: 1201 Human GeneID: 12752 Mouse Swiss-port # Q13286 Human Swiss-port # Q61124 Mouse
Gene Symbol	CLN3
Gene Full Name	ceroid-lipofuscinosis, neuronal 3
Background	This gene encodes a protein that is involved in lysosomal function. Mutations in this, as well as other neuronal ceroid-lipofuscinosis (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. [provided by RefSeq, Jul 2008]
Function	Involved in microtubule-dependent, anterograde transport of late endosomes and lysosomes. [UniProt]
Calculated Mw	48 kDa
PTM	Highly glycosylated. Farnesylation is important for trafficking to lysosomes.
Cellular Localization	Lysosome membrane; Multi- pass membrane protein. Late endosome

Images



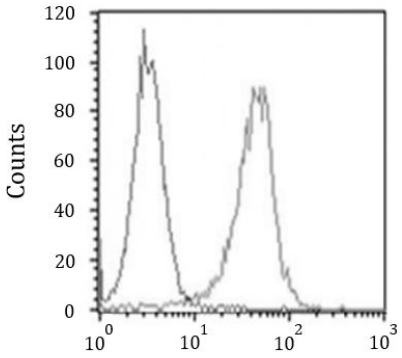
ARG55775 anti-CLN3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human liver tissue stained with ARG55775 anti-CLN3 antibody at 1:25 dilution.



ARG55775 anti-CLN3 antibody WB image

Western blot: 20 µg of SH-SY5Y cell lysate stained with ARG55775 anti-CLN3 antibody at 1:1000 dilution.



ARG55775 anti-CLN3 antibody FACS image

Flow Cytometry: HeLa cells stained with ARG55775 anti-CLN3 antibody (right histogram) at 1:25 dilution or isotype control antibody (left histogram), followed by incubation with Alexa Fluor® 488 labelled secondary antibody.