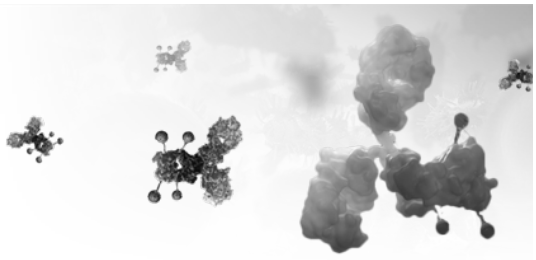

Mouse Anti-CLN6 monoclonal antibody, clone O500/35 (CABT-RM159)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Specifically detects human Ceroid-lipofuscinosis neuronal protein 6. It does not cross-react with other CLN proteins.
Target	CLN6
Immunogen	Recombinant fragments corresponding to 54, 47, and 30 amino acids from non-helical regions from the N-terminal, internal, and C-terminal regions of human Ceroid-lipofuscinosis neuronal protein 6 (CLN6).
Isotype	IgG2b, κ
Source/Host	Mouse
Species Reactivity	Human
Clone	O500/35
Purification	Protein G purified
Conjugate	unconjugated
Applications	IHC
Molecular Weight	35.92 kDa calculated.
Format	Liquid
Size	100 µg
Buffer	0.1 M Tris-Glycine (pH 7.4), 150 mM NaCl

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Preservative	0.05% sodium azide
Storage	Stable for 1 year at 2-8°C from date of receipt.

BACKGROUND

Introduction	Ceroid-lipofuscinosis neuronal protein 6 is encoded by the CLN6 gene in human. CLN6 is a multi-pass membrane protein that is localized to endoplasmic reticulum and contributes to lysosomal function and viability of neurons. It has no homology with known proteins or functional domains, however it is highly conserved across mammalian species. Mutations in CLN6 gene have been linked to ceroid lipofuscinosis, neuronal 6 and 4A that are characterized by intracellular accumulation of autofluorescent liposomal material, seizures, dementia, visual loss, and/or cerebral atrophy. Two isoforms of CLN6 have been described that are produced by alternative splicing.
Keywords	CLN6; ceroid-lipofuscinosis, neuronal 6, late infantile, variant; ceroid-lipofuscinosis neuronal protein 6; FLJ20561; HsT18960; nclf; CLN4A

GENE INFORMATION

Entrez Gene ID	54982
UniProt ID	Q9NWW5

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