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CTBS antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15017

Product Information

Application	WB
Primary Accession	Q01459
Other Accession	NM_004388, NP_004379
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Guinea Pig
Predicted	Human, Mouse, Rabbit, Zebrafish, Chicken, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43760

Additional Information

Gene ID	1486
Alias Symbol	CTB
Other Names	Di-N-acetylchitobiase, 3.2.1.-, CTBS, CTB
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-CTBS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	CTBS antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

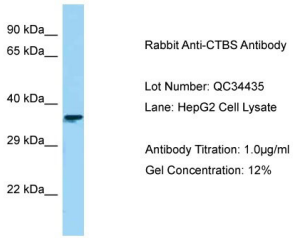
Name	CTBS (HGNC:2496)
Synonyms	CTB
Function	Reducing-end exoglycosidase involved in glycan degradation (PubMed:1527079, PubMed:16115860). Hydrolyzes N,N'-diacetylchitobiose (GlnNAc2) and higher chitin-oligosaccharides (GlcNAc(n)) to monomeric GlcNAc acting on reducing-end residues (PubMed:1527079, PubMed:16115860, PubMed:16794344). During N-linked glycoprotein degradation, it cleaves single GlcNAc molecules uniquely from the reducing end of N,N'-diacetylchitobiose units linking oligosaccharides to proteins, and therefore it functions after cleavage of the Asn- GlcNAc bond and asparagine removal by glycosylasparaginase (By similarity).

Cellular Location Lysosome {ECO:0000250|UniProtKB:Q01460}.

References

Fisher K.J.,et al.J. Biol. Chem. 267:19607-19616(1992).
Liu B.,et al.Glycobiology 9:589-593(1999).
Gregory S.G.,et al.Nature 441:315-321(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Chen R.,et al.J. Proteome Res. 8:651-661(2009).

Images



Host: Rabbit
Target Name: CTBS
Sample Tissue: HepG2
Antibody Dilution: 1.0µg/ml

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