

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chitobiase/CTBS in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chitobiase/CTBS Thr39-Arg385 Accession # Q01459
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

CTBS (Di-N-acetylchitobiase; also chitobiase) is a 40 kDa lysosomal glycoprotein that belongs to glycosyl hydrolase family # 18. It is a reducing-end glycoside hydrolase that serves to degrade asparagines-linked carbohydrates. Mature human CTBS is 347 amino acids (aa) in length and contains one catalytic domain (aa 115-357). There are multiple potential isoforms of CTBS. One shows a three aa deletion of aa 30-32, accompanied by a two two aa substitution for the C-terminal 279 amino acids. There are two potential alternate start sites, one at Met92 and a second at Met207. Mature human CTBS (aa 39-385) is 85% aa identical to mouse CTBS.

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