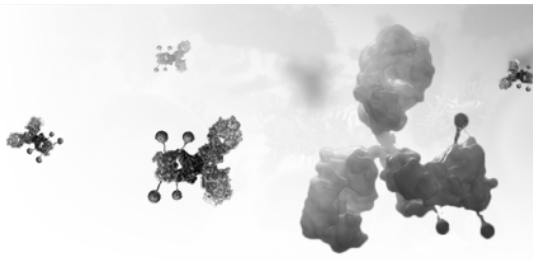

Anti-HEXA (full length) polyclonal antibody (CABT-BL1776)

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

PRODUCT INFORMATION

Immunogen	Full length human HEXA protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Purification	Protein G purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Lysosome.
Format	Liquid
Buffer	1X PBS, pH 7.2
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	This gene encodes the alpha subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is

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composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Alpha subunit gene mutations lead to Tay-Sachs disease (GM2-gangliosidosis type I).

GENE INFORMATION

Entrez Gene ID	3073
Protein Refseq	NP_000511
UniProt ID	P06865

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