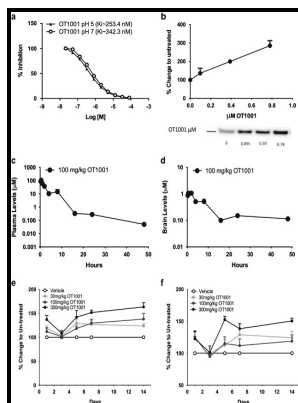


Analysis of the [alpha]-active site of human hexosaminidase A

National Library of Canada - HEXA Antibody (MA5)



Description: -

-analysis of the [alpha]-active site of human hexosaminidase A

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Notes: Thesis (M.Sc.) -- University of Toronto, 1996.

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Tags: #HEXA #Antibody #(MA5)

Proteolytic processing of the alpha

The mutant enzyme protein was not processed nor released into the culture medium.

Molecular analysis of beta

The alpha chain is encoded by HEXA; the beta chain is encoded by HEXB. Hex A degrades G_{M2} by removing a terminal N-acetyl-D-galactosamine {beta}-GalNAc residue, and this activity requires the G_{M2}-activator, a protein which solubilizes the ganglioside for presentation to Hex A. The checksum is a form of redundancy check that is calculated from the sequence.

HEXA Disorders

Signal sequences are shown by the arrows.

HEXA Antibody (MA5)

This procedure uses the human gene HEXA and mouse gene HEXA as an example.

Expression of the beta

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HEXA Antibody (MA5)

{beta}-Hexosaminidase is a lysosomal enzyme that catalyzes the hydrolysis of ganglioside G_{M2} and other substances.

Compare Sequences Using Sequence Alignment Algorithms

After you locate a sequence, you need to move the sequence data into the MATLAB Workspace. Beta-hexosaminidase A plays a critical role in the brain and spinal cord central nervous system. More detailed information for clinicians ordering genomic testing can be found.

Production of recombinant beta

The two major bands α and β were analyzed for their N-terminal sequences. At age 19, chronic psychosis with intermittent acute exacerbations remains the most disabling symptom in this patient and his affected brother although both exhibit some ataxia and moderately severe dysarthria.

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