

Anti-HEXA Polyclonal Antibody

Cat: AC51375

Summary:

【Product name】 : Anti-HEXA antibody

【Source】 : Rabbit

【Isotype】 : IgG

【Species reactivity】 : Human Mouse Rat

【Swiss Prot】 : P06865

【Gene ID】 : 3073

【Calculated】 : MW:61kDa

【Purification】 : Affinity purification

【Tested applications】 : WB IHC

【Recommended dilution】 : WB 1:500-2000. IHC 1:50-200.

【IHC Positive sample】 : Rat testis tissue

【Subcellular location】 : Lysosome

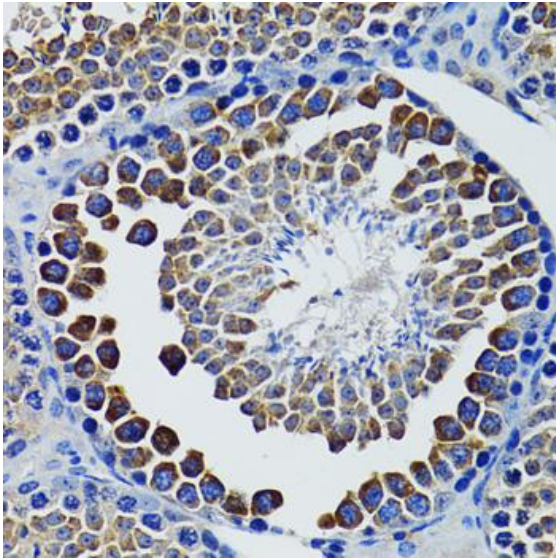
【Immunogen】 : Recombinant protein of human HEXA

【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C

Background:

This gene encodes a member of the glycosyl hydrolase 20 family of proteins. The encoded preproprotein is proteolytically processed to generate the alpha subunit of the lysosomal enzyme beta-hexosaminidase. This enzyme, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Mutations in this gene lead to an accumulation of GM2 ganglioside in neurons, the underlying cause of neurodegenerative disorders termed the GM2 gangliosidoses, including Tay-Sachs disease (GM2-gangliosidosis type I). Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Verified picture



Immunohistochemistry of paraffin-embedded
Rat testis tissue with HEXA antibody diluted at
1:100