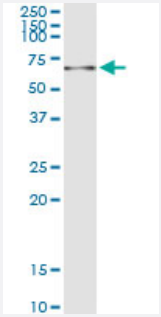
HEXA (Human) IP-WB Antibody Pair

Catalog # H00003073-PW1 Size 1 Set

Applications



Immunoprecipitation of HEXA transfected lysate using rabbit polyclonal anti-HEXA and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-HEXA.

Specification

Product Description	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
Reactivity	Human
Quality Control Testing	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of HEXA transfected lysate using rabbit polyclonal anti-HEXA and Protein A Magnetic Bead (U0007), and immunoblotted with mouse purified polyclonal anti-HEXA.
Supplied Product	Antibody pair set content: 1. Antibody pair for IP: rabbit polyclonal anti-HEXA (300 ul) 2. Antibody pair for WB: mouse purified polyclonal anti-HEXA (50 ug)
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

Applications

- Immunoprecipitation-Western Blot

Protocol Download

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Gene Info — HEXA

Entrez GeneID	3073
Gene Name	HEXA
Gene Alias	MGC99608, TSD
Gene Description	hexosaminidase A (alpha polypeptide)
Omim ID	272800 606869
Gene Ontology	Hyperlink
Gene Summary	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 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). [provided by RefSeq
Other Designations	GM2 gangliosidosis|N-acetyl-beta-glucosaminidase|Tay Sachs disease|beta-N-acetylhexosaminidase|hexosaminidase A

Pathway

- Amino sugar and nucleotide sugar metabolism
- Glycosaminoglycan degradation
- Glycosphingolipid biosynthesis - ganglio series
- Glycosphingolipid biosynthesis - globo series
- Lysosome
- Metabolic pathways
- Other glycan degradation

Disease

- Genetic Predisposition to Disease

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- Sandhoff Disease
- Tay-Sachs disease

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