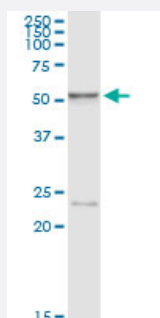


HEXA monoclonal antibody (M06), clone 3D1

Catalog # H00003073-M06

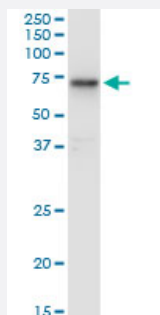
Size 50 ug

Applications



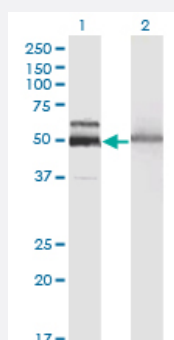
Western Blot (Tissue lysate)

HEXA monoclonal antibody (M06), clone 3D1. Western Blot analysis of HEXA expression in human kidney.



Western Blot (Cell lysate)

HEXA monoclonal antibody (M06), clone 3D1. Western Blot analysis of HEXA expression in HeLa.

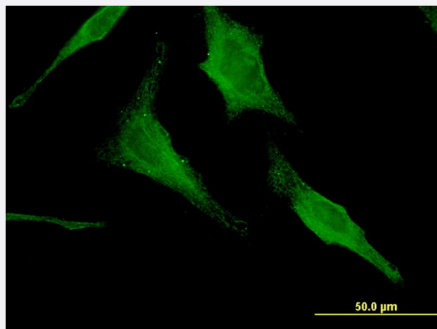


Western Blot (Transfected lysate)

Western Blot analysis of HEXA expression in transfected 293T cell line by HEXA monoclonal antibody (M06), clone 3D1.

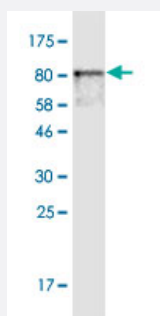
Lane 1: HEXA transfected lysate(60.7 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of monoclonal antibody to HEXA on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (83.93 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant HEXA.
Immunogen	HEXA (AAH18927, 1 a.a. ~ 529 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MTSSRLWFSLLLAAAFAGRATALWPWPQNFQTSDQRYVLYPNNFQFQYDVSSAAQPGCSVLDEAFQRYRDLLFGSGSWPRPYLTGKRHTLEKNVLVSVVTPGCNQLPTLESVENYLTINDDQCCLLSETVWGALRGLETFSQLVWKSAGETFFINKTEIEDFPRFPHRGLLDTSRHYLPLSSILD TLDVMAYNKLNVFHWHLVDDPSFPYESFTFPELMRKGSYNPVTHIYTAQDVKEVIEYARLRGIRVLAEFDTPGHTLSWGP GIPGLLTPCYSGSEPSGTFGPVNPSLNNTYEFMSTFFLEVSSVFPDFYLHLGGDEVDFTCWKS NPEIQDFMRKKGFGE DFKQLESFYIQTLLDIVSSYGKGYVWQEVFDNKVKIQPDTIQVWR EDIPVNYMKELELVTKAGFRALLSAPWYLN RISYGPDWKDFYVVEPLAFEGTPEQKALVIGGEAC MWGEYVDNTNLVPRLWP RAGAVAERLWSNKL TSDLT FAYERLSHFRCCELLRRGVQAQPLNVGFCEQEFEQT
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (83.93 KDa) .
Storage Buffer	In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

HEXA monoclonal antibody (M06), clone 3D1. Western Blot analysis of HEXA expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

HEXA monoclonal antibody (M06), clone 3D1. Western Blot analysis of HEXA expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of HEXA expression in transfected 293T cell line by HEXA monoclonal antibody (M06), clone 3D1.

Lane 1: HEXA transfected lysate(60.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to HEXA on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — HEXA

Entrez GeneID

[3073](#)

GeneBank Accession#

[BC018927](#)

Protein Accession#

[AAH18927](#)

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](#)
- [Sandhoff Disease](#)
- [Tay-Sachs disease](#)