EXT2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	EXT2, Monoclonal Antibody
Full Product Name	EXT2 (Exostosin 2, Exostosin-2, Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase, Multiple Exostoses Protein 2, Putative Tumor Suppressor Protein EXT2) (MaxLight 750)
Product Gene Name	anti-EXT2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3G6
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight750.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human EXT2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight750 conjugates are sensitive to light. For maximu recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	85,815 Da
Immunogen	Partial recombinant corresponding to aa216-315 from human EXT2 (AAH10058) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	GFSTWTYRQGYDVSIPVYSPLSAEVDLPEKGPGPRQYFLLSSQVGLHPEYREDLEALQVKHGESVLVLDKCTNLSEGVLSVRKRCHKHQVFDYPQVLQE
Conjugate	MaxLight750
Product Categories/Family for anti-EXT2 antibody	Antibodies; Enzymes
Applications Tested/Suitable for anti-EXT2 antibody	FLISA, Western Blot (WB)
Application Notes for anti-EXT2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-EXT2 antibody	Glycosyltransferase required for the biosynthesis of heparan-sulfate. The EXT1/EXT2 complex possesses substantially higher glycosyltransferase activity than EXT1 or EXT2 alone. Appears to be a tumor suppressor.

Other Notes	Small volumes of anti-EXT2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for EXT2 purchase	MBS6232766 is an antibody targeting EXT2. Also known as EXT2 (Exostosin 2, Exostosin-2, Glucuronosyl-N-acetylglucosaminyl-proteoglycan/N-acetylglucosaminyl-proteoglycan 4-alpha-N-acetylglucosaminyltransferase, Multiple Exostoses Protein 2, Putative Tumor Suppressor Protein EXT2) (MaxLight 750). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EXT2. It may not necessarily be applicable to this product.

NCBI GI #	14603195
NCBI GeneID	2132
NCBI Accession #	BC010058
NCBI Related Accession #	AAH10058
UniProt Secondary Accession #	O15288; B2R5Z6; C9JU51; J3KPT2
UniProt Related Accession #	Q93063
NCBI Official Full Name	Homo sapiens exostoses (multiple) 2, mRNA
NCBI Official Synonym Full Names	exostosin glycosyltransferase 2
NCBI Official Symbol	EXT2
NCBI Official Synonym Symbols	SOTV; SSMS
Protein Family	Exostosin
NCBI Protein Information	exostosin-2
NCBI Summary for EXT2	This gene encodes one of two glycosyltransferases involved in the chain elongation step of heparan sulfate biosynthesis. Mutations in this gene cause the type II form of multiple exostoses. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq, Jul 2008]
Research Articles on EXT2	**1.** EXT2 gene might not have a major role in the development of type 2 diabetes in the Chinese population.
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