LHX4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	LHX4, Monoclonal Antibody
Full Product Name	LHX4 (LIM Homeobox 4, Gsh-4, Gsh4) (MaxLight 550)
Product Gene Name	anti-LHX4 antibody
Product Synonym Names	LIM Homeobox 4; Gsh-4; Gsh4
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	1D6
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight550.
Purity/Purification	Purified
Specificity	Recognizes LHX4.
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: MaxLight550 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	43kDa
3D Structure	ModBase 3D Structure for P53776
Immunogen	LHX4 (NP_203129, 291aa-390aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SMDGTGQSYQDLRDGSPYGIPQSPSSISSLPSHAPLLNGLDYTVDSNLGIIAHAGQGVSQTLRAMAGGPTSDISTGSSVGYPDFPTSPGSWLDEMDHPP
Conjugate	MaxLight550
Product Categories/Family for anti-LHX4 antibody	Antibodies; Transcription Factors; Homeobox (HOX)
Applications Tested/Suitable for anti-LHX4 antibody	FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-LHX4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-LHX4 antibody	This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein may function as a transcriptional regulator and be involved in control of differentiation and development of the pituitary gland. Mutations in this gene are associated with syndromic short stature and pituitary and hindbrain defects. An alternative splice variant has been described but its biological nature has not been determined. [provided by RefSeq]

Other Notes	Small volumes of anti-LHX4 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 LHX4 purchase	MBS6217841 is an antibody targeting LHX4. Also known as LHX4 (LIM Homeobox 4, Gsh-4, Gsh4) (MaxLight 550). Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LHX4. It may not necessarily be applicable to this product.

NCBI GI #	15375314
NCBI GeneID	89884
NCBI Accession #	NP_203129
UniProt Primary Accession #	P53776
UniProt Related Accession #	Q969G2
GenBank Nucleotide #	NM_033343
NCBI Official Full Name	LIM/homeobox protein Lhx4
NCBI Official Synonym Full Names	LIM homeobox 4
NCBI Official Symbol	LHX4
NCBI Official Synonym Symbols	CPHD4
UniProt Protein Name	LIM/homeobox protein Lhx4
Protein Family	LIM/homeobox protein
UniProt Gene Name	Lhx4
UniProt Synonym Gene Names	Gsh-4; Gsh4; LIM homeobox protein 4
UniProt Entry Name	LHX4_MOUSE
NCBI Protein Information	LIM/homeobox protein Lhx4
NCBI Summary for LHX4	This gene encodes a member of a large protein family which contains the LIM domain, a unique cysteine-rich zinc-binding domain. The encoded protein is a transcription factor involved in the control of differentiation and development of the pituitary gland. Mutations in this gene cause combined pituitary hormone deficiency 4. [provided by RefSeq, Dec 2010]
Research Articles on LHX4	**1.** LHX4 Mutation is associated with Pituitary Deficits.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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