FBXL21 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	FBXL21, Monoclonal Antibody
Full Product Name	FBXL21 (F-box/LRR-repeat Protein 21, F-box and Leucine-rich repeat Protein 21, F-box and Leucine-rich Repeat Protein 3B, F-box/LRR-repeat Protei FBL21, FBL3, FBXL3B, FBXL3P) (MaxLight 405)
Product Gene Name	anti-FBXL21 antibody
Clonality	Monoclonal
Isotype	IgG2a,k
Clone Number	4A1
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human FBXL21.
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 amo prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery o centrifuge the original vial prior to removing the cap.
OMIM	609087
3D Structure	ModBase 3D Structure for Q9UKT6
Immunogen	Partial recombinant corresponding to aa167-277 from human FBXL21 (NP_036291) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	VSKVVLGRVGLNCPRLIELVVCANDLQPLDNELICIAEHCTNLTALGLSKCEVSCSAFIRFVRLCERRLTQLSVMEEVLIPDEDYSLDEIHTEVSKYLGRVWF
Conjugate	MaxLight405
Product Categories/Family for anti-FBXL21 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-FBXL21 antibody	FLISA, Western Blot (WB)
Application Notes for anti-FBXL21 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-FBXL21 antibody	Substrate-recognition component of some SCF (SKP1-CUL1-F-box protein)-type E3 ubiquitin ligase complex involved in circadian pacemaker function. SCF(FBXL21) complex acts by mediating ubiquitination and subsequent degradation of CRY1. Probable clock-controlled protein that plays a specific ro suprachiasmatic nucleus, SCN and pacemaker function.

Other Notes	Small volumes of anti-FBXL21 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 may apply.
Searchable Terms for FBXL21 purchase	MBS6190113 is an antibody targeting FBXL21. Also known as FBXL21 (F-box/LRR-repeat Protein 21, F-box and Leucine-rich repeat Protein 21, F-box Leucine-rich Repeat Protein 3B, F-box/LRR-repeat Protein 3B, FBL21, FBL3, FBXL3B, FBXL3P) (MaxLight 405). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBXL21. It may not necessarily be applicable to this product.

NCBI GI #	148922963
NCBI GeneID	26223
NCBI Accession #	NP_036291
UniProt Primary Accession #	Q9UKT6
UniProt Related Accession #	Q9UKT6
GenBank Nucleotide #	NM_012159
NCBI Official Synonym Full Names	F-box and leucine rich repeat protein 21, pseudogene
NCBI Official Symbol	FBXL21P
NCBI Official Synonym Symbols	FBL3B; Fbl21; FBXL21; FBXL3B; FBXL3P
UniProt Protein Name	F-box/LRR-repeat protein 21
UniProt Synonym Protein Names	F-box and leucine-rich repeat protein 21; F-box and leucine-rich repeat protein 3B; F-box/LRR-repeat protein 3B
Protein Family	F-box/LRR-repeat protein
UniProt Gene Name	FBXL21
UniProt Synonym Gene Names	FBL21; FBL3; FBXL3B; FBXL3P
UniProt Entry Name	FXL21_HUMAN
NCBI Summary for FBXL21	This locus represents a transcribed pseudogene that is related to genes encoding members of the F-box family of proteins. [provided by RefSeq, Nov 2017]
UniProt Comments for FBXL21	FBXL21: Substrate-recognition component of some SCF (SKP1-CUL1- F-box protein)-type E3 ubiquitin ligase complex involved in circadian pacemaker function. The SCF(FBXL21) complex acts by mediating ubiquitination and subsequent degradation of CRY1. Probable clock-controlled protein that plays a specific role in suprachiasmatic nucleus, SCN and pacemaker function. Chromosomal Location of Human Ortholog: 5q31 Cellular Component: SCF ubiquitin ligase complex; cytosol; nucleus; ubiquitin ligase complex Molecular Function: ubiquitin-protein ligase activity Biological Process: rhythmic process; protein ubiquitination; entrainment of circadian clock by photoperiod
Research Articles on FBXL21	**1.** Using both family and case-control samples, consistent associations in and around FBXL21 gene suggested that FBXL21 may be associated with schizophrenia in the Irish samples.
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