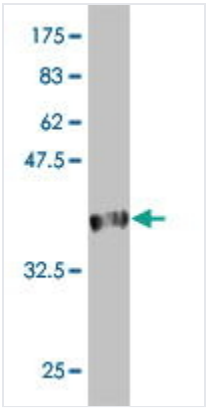
FBXL21 Antibody – Mouse Monoclonal

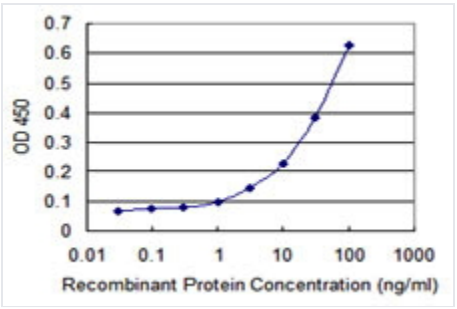
PRODUCT OVERVIEW

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) APC
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 Allophycocyanin (APC).
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: APC conjugates are sensitive to light. For maximum recovery of product 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	APC
Product Categories/Family for anti-FBXL21 antibody	Antibodies; Ubiquitin Ligases
Applications Tested/Suitable for anti-FBXL21 antibody	ELISA (EIA), 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	MBS6136553 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) APC. Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-FBXL21 antibody
Western Blot detection against Immunogen (38.21kD).



Testing Data of anti-FBXL21 antibody
Detection limit for recombinant GST tagged FBXL21 is 1ng/ml as a capture antibody.

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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