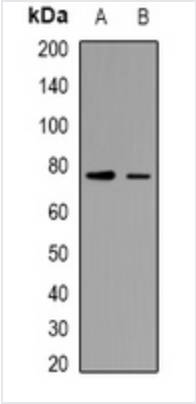
FBXO7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	FBXO7, Polyclonal Antibody
Full Product Name	Anti-FBXO7 Antibody
Product Gene Name	anti-FBXO7 antibody
Product Synonym Names	FBX7; F-box only protein 7
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by affinity chromatography.
Specificity	Recognizes endogenous levels of FBXO7 protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Antibody/Peptide Pairs	FBXO7 peptide (MBS8247993) is used for blocking the activity of FBXO7 antibody (MBS8248281)
Molecular Weight	45,781 Da
OMIM	260300
3D Structure	ModBase 3D Structure for Q9Y3I1
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FBXO7. The exact sequence is proprietary.
Applications Tested/Suitable for anti-FBXO7 antibody	Western Blot (WB)
Application Notes for anti-FBXO7 antibody	WB: 1/500 - 1/2000
Related Product Information for anti-FBXO7 antibody	MBS8248281 is an antibody targeting FBXO7. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to FBXO7
Other Notes	Small volumes of anti-FBXO7 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.



Western Blot (WB) of anti-FBXO7 antibody
Western blot analysis of FBXO7 expression in mouse kidney (A) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for FBXO7. It may not necessarily be applicable to this product.

NCBI GI #	74229029
NCBI GeneID	25793
NCBI Accession #	NP_001028196.1
UniProt Primary Accession #	Q9Y3I1
UniProt Secondary Accession #	Q5TGC4; Q5TI86; Q96HM6; Q9UF21; Q9UKT2; B4DNB3; B4DWX5
UniProt Related Accession #	Q9Y3I1
GenBank Nucleotide #	NM_001033024.1
NCBI Official Full Name	F-box only protein 7 isoform 2
NCBI Official Synonym Full Names	F-box protein 7
NCBI Official Symbol	FBXO7
NCBI Official Synonym Symbols	FBX; FBX7; PKPS; FBX07; PARK15
UniProt Protein Name	F-box only protein 7
Protein Family	F-box only protein
UniProt Gene Name	FBXO7
UniProt Synonym Gene Names	FBX7
UniProt Entry Name	FBX7_HUMAN
NCBI Protein Information	F-box only protein 7
NCBI Summary for FBXO7	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and it may play a role in regulation of hematopoiesis. Alternatively spliced transcript variants of this gene have been identified with the full-length natures of only some variants being determined. [provided by RefSeq, Jul 2008]

UniProt Comments for FBXO7	FBXO7: Substrate recognition component of a (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Recognizes BIRC2 and DLGAP5. Defects in FBXO7 are the cause of Parkinson disease type 15 (PARK15); also known as parkinsonian-pyramidal syndrome. A neurodegenerative disorder characterized by parkinsonian and pyramidal signs. Clinical manifestations include tremor, bradykinesia, rigidity, postural instability, spasticity, mainly in the lower limbs, and hyperreflexia. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system Chromosomal Location of Human Ortholog: 22q12.3 Cellular Component: cytoplasm; cytosol; mitochondrion; nucleus; protein complex; ubiquitin ligase complex Molecular Function: protein binding; ubiquitin-protein ligase activity Biological Process: mitochondrion degradation; protein targeting to mitochondrion; protein ubiquitination; regulation of protein stability; ubiquitin-dependent protein catabolic process Disease: Parkinson Disease 15, Autosomal Recessive Early-onset
Research Articles on FBXO7	**1.** The mutations of F-box protein 7 (FBXO7) gene (T22M, R378G and R498X) are associated with autosomal recessive juvenile-onset Parkinson's disease We demonstrated wild-type FBXO7 is a stress response protein with both cytoprotective and neurotoxic roles
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