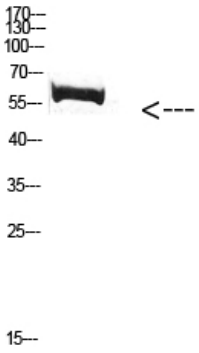
FBXO7 Polyclonal Antibody

Catalog No	BYab-10625
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	FBXO7 FBX7
Protein Name	F-box protein 7
Immunogen	Synthetic peptide from human protein at AA range: 371-420
Specificity	The antibody detects endogenous FBXO7 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000, ELISA 1:10000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FBXO7 FBX7
Observed Band	58kD
Cell Pathway	Cytoplasm . Nucleus . Mitochondrion . Cytoplasm, cytosol . Predominantly cytoplasmic (PubMed:16096642). A minor proportion is detected in the nucleus (PubMed:16096642). Relocates from the cytosol to depolarized mitochondria (PubMed:23933751). .
Tissue Specificity	Fetal kidney,Pancreas,
Function	disease:Defects in FBXO7 may be the cause of parkinsonian-pyramidal syndrome (PKPS) [MIM:260300]. PKPS is a hypokinetic rigid disorder, the most common example of which is Parkinson disease. PKPS is a rare disorder that exhibits both Parkinsonian and pyramidal-associated signs. Symptoms, which may bevague in the beginning, start in young adulthood, progress relatively slowly, and may culminate in severe movement incapacity. Response to levadopa is usually dramatic and sustained for many years. Most, but not all, reported cases have been familial and associated with parental consanguinity, suggesting autosomal-recessive inheritance.,function: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.,pathway:Protein modification;
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of mouse-kidney cells using Antibody diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000