



FBP2 Monoclonal Antibody

Catalog No	YP-mAb-01707
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KHSRP
Immunogen	Synthesized peptide derived from the N-terminal region of human FBP2.
Specificity	FBP2 Monoclonal Antibody detects endogenous levels of FBP2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	D-fructose-1,6-bisphosphate 1-phosphohydrolase 2;EC:3.1.3.11;FBPase 2; Fructose-1,6-bisphosphatase isozyme 2;Muscle FBPase;FBP2;KHSRP;Far upstream element-binding protein 2;FUBP2;FUSE-binding protein 2;KH type-splicing regulatory protein;KSRP;p75
Observed Band	73kD
Calculated Molecular Weight	73kD
Cell Pathway	Nucleus . Cytoplasm . A small proportion is also found in the cytoplasm of neuronal cell bodies and dendrites. .
Tissue Specificity	Detected in neural and non-neural cell lines.
Function	function: Binds to the dendritic targeting element and may play a role in mRNA trafficking (By similarity). Part of a ternary complex that binds to the downstream control sequence (DCS) of the pre-mRNA. Mediates exon inclusion in transcripts that are subject to tissue-specific alternative splicing. May interact with single-stranded DNA from the far-upstream element (FUSE). May activate gene expression. Also involved in degradation of inherently unstable mRNAs that contain AU-rich elements (AREs) in their 3'-UTR, possibly by recruiting degradation machinery to ARE-containing mRNAs.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the KHSRP family.,



similarity:Contains 4 KH domains.,subcellular location:A small proportion is also found in the cytoplasm of neuronal cell bodies and dendrites.,subunit:Part of a ternary complex containing FUBP2, PTBP1, PTBP2 and

Background

The KHSRP gene encodes a multifunctional RNA-binding protein implicated in a variety of cellular processes, including transcription, alternative pre-mRNA splicing, and mRNA localization (Min et al., 1997 [PubMed 9136930]; Gherzi et al., 2004 [PubMed 15175153]).[supplied by OMIM, Apr 2010],

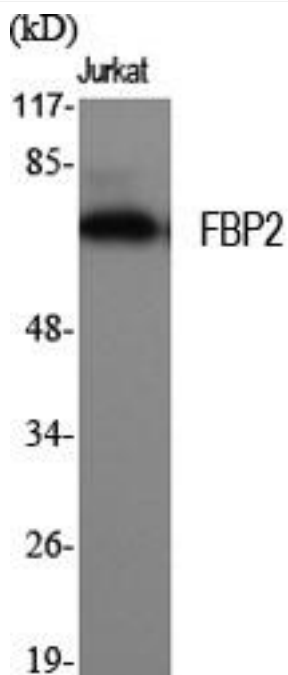
matters needing attention

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 various cells using FBP2 Monoclonal Antibody