



PQBP1 Mouse mAb

Catalog No	YP-mAb-18987
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	PQBP1 NPW38 JM26
Immunogen	Synthesized peptide derived from human PQBP1
Specificity	This antibody detects endogenous levels of PQBP1 at Human, Mouse,Rat
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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	SHS;MRX2;MRX55;MRXS3;MRXS8;NPW38;RENS1;PQBP1;PQBP1 NPW38 JM26;Polyglutamine-binding protein 1 (PQBP-1) (38 kDa nuclear protein containing a WW domain) (Npw38) (Polyglutamine tract-binding protein 1)
Observed Band	30kDa
Calculated Molecular Weight	30kDa
Cell Pathway	Nucleus . Nucleus speckle . Cytoplasmic granule . Colocalizes with SRSF2 in nuclear speckles (By similarity). Colocalized with POU3F2 (PubMed:10332029). Colocalized with ATXN1 in nuclear inclusion bodies (PubMed:12062018). Localizes to cytoplasmic stress granules (PubMed:21933836). .
Tissue Specificity	Widely expressed with high level in heart, skeletal muscle, pancreas, spleen, thymus, prostate, ovary, small intestine and peripheral blood leukocytes.
Function	Intrinsically disordered protein that acts as a scaffold, and which is involved in different processes, such as pre-mRNA splicing, transcription regulation, innate immunity and neuron development . Interacts with splicing-related factors via the intrinsically disordered region and regulates alternative splicing of target pre-mRNA species . May suppress the ability of POU3F2 to transactivate the DRD1 gene in a POU3F2 dependent manner. Can activate transcription directly or via association with the transcription machinery . May be involved in ATXN1 mutant-



induced cell death . The interaction with ATXN1 mutant reduces levels of phosphorylated RNA polymerase II large subunit . Involved in the assembly of cytoplasmic stress granule, possibly by participating in the transport of neuronal RNA granules . Also acts as an innate immune sensor of infection by retroviruses, such as HIV, by detecting the presence of reverse-transcribed DNA in the cytosol . Directly binds retroviral reverse-transcribed DNA in the cytosol and interacts with CGAS, leading to activate the cGAS-STING signaling pathway, triggering type-I interferon production .

Background

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