



QKI mouse mAb

Catalog No	YP-mAb-11957
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	QKI HKQ
Immunogen	Synthesized peptide derived from human QKI AA range: 198-248
Specificity	This antibody detects endogenous levels of QKI 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	QK;Protein quaking;KH domain-containing RNA-binding protein QKI;Hqkl;Hqk;QKI;QKI HKQ
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Expressed in the frontal cortex of brain. Down-regulated in the brain of schizophrenic patients.
Function	disease:Deletion of the QKI gene may play a role in astrocytic tumors., disease:May play a role in genetic susceptibility to schizophrenia. QKI levels of some isoforms such as isoform 6, are frequently down-regulated in schizophrenic patients.,function:RNA-binding protein that plays a central role in myelination. Binds to the 5'-NACUAAY-N(1,20)-UAAY-3' RNA core sequence. Acts by regulating pre-mRNA splicing, mRNA export, mRNA stability and protein translation. Required to protect and promote stability of mRNAs such as MBP and CDKN1B which promotes oligodendrocyte differentiation. Participates in mRNA transport by regulating the nuclear export of MBP mRNA. Also involved in regulation of mRNA splicing of MAG pre-mRNA. Acts as a translational repressor.,PTM:Methylated by PRMT1.,PTM:Tyrosine phosphorylated at its C-



terminus, probably by FYN. Phosphorylation leads to decreased mRNA-binding a

Background

The protein encoded by this gene is an RNA-binding protein that regulates pre-mRNA splicing, export of mRNAs from the nucleus, protein translation, and mRNA stability. The encoded protein is involved in myelination and oligodendrocyte differentiation and may play a role in schizophrenia. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014],

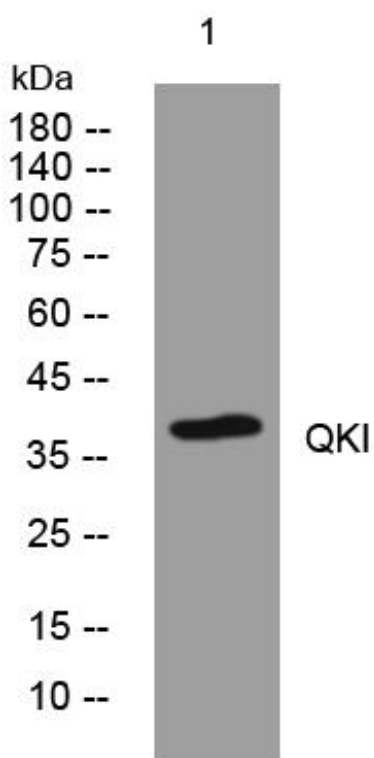
matters needing attention

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 QKI mouse mAb