

QKI rabbit pAb

Catalog No :	YT7323
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	QKI
Gene Name :	QKI HKQ
Protein Name :	QKI
Human Gene Id :	9444
Human Swiss Prot No :	Q96PU8
Mouse Gene Id :	19317
Mouse Swiss Prot No :	Q9QYS9
Rat Swiss Prot No :	Q91XU1
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 38kD

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],

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

Subcellular Location : Nucleus . Cytoplasm .

Expression : Expressed in the frontal cortex of brain. Down-regulated in the brain of schizophrenic patients.

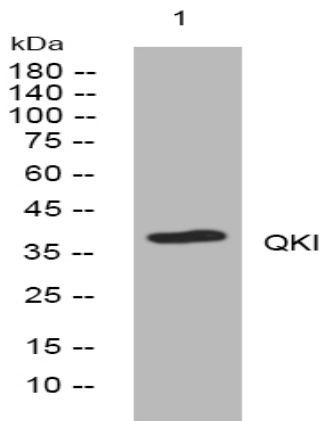
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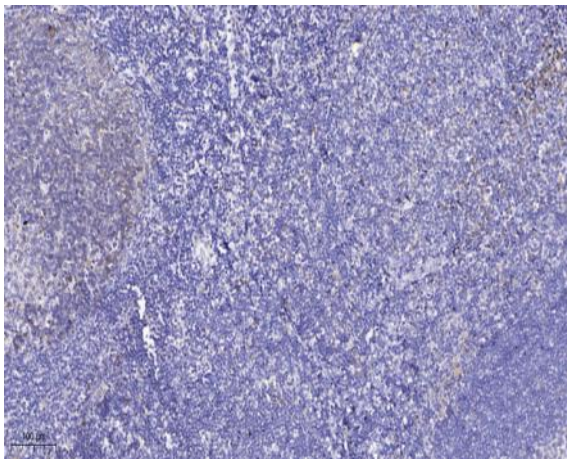
Host : Rabbit

Modifications : Unmodified

Products Images



Western blot analysis of lysates from 293T cells, primary antibody was diluted at 1:1000, 4° over night



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).