

QKI Rabbit pAb

CatalogNo: YT7323

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, ELISA, IHC

MW

- 38kD (Calculated)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human QKI AA range: 198-248

Specificity This antibody detects endogenous levels of QKI at Human/Mouse/Rat

Target Information

Gene name QKI HKQ

Protein Name QKI

| Organism | Gene ID | UniProt ID |
|----------|-------------------------|--------------------------|
| Human | 9444 ; | Q96PU8 ; |
| Mouse | 19317 ; | Q9QYS9 ; |
| Rat | | Q91XU1 ; |

Cellular Localization 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'-NACUAAAY-N(1,20)-UAAAY-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 affinity, affecting transport and/or stabilization of MBP mRNA.,sequence Caution:Chimeric cDNA.,similarity:Contains 1 KH domain.,subunit:Homodimer. Does not require RNA to homodimerize. Able to heterodimerize with BICC1.,tissue specificity:Expressed in the frontal cortex of brain.,

Validation Data

Contact information

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