

Rabbit QKI Polyclonal Antibody | anti-QKI antibody

QKI Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328710	Rabbit	Human, Mouse, RatPredicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken	Western Blot

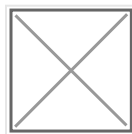
PRODUCT SYNONYMS

QKI; Polyclonal Antibody; QKI Antibody; DKFZp586I0923; HKQ; Homolog of mouse quaking QKI KH domain RNA binding protein; Hqk; HQK1; Hqkl; OTTHUMP00000017581; OTTHUMP00000017582; OTTHUMP00000017583; Protein quaking; QK; QK1; QK3; QKI_HUMAN; QKI1; Quaking homolog; Quaking homolog KH domain RNA binding; Quaking homolog KH domain RNA binding mouse; Quaking isoform 1; Quaking protein; RNA binding protein HQK; anti-QKI antibody

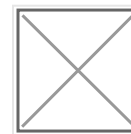
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted: Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Clonality	Polyclonal
Isotype	IgG
Specificity	QKI Antibody detects endogenous levels of QKI.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	341
Applicable Applications for anti-QKI antibody	WB (Western Blot)
Immunogen	A synthesized peptide derived from human QKI.
Tissue Specificity	Expressed in the frontal cortex of brain. Down-regulated in the brain of schizophrenic patients.
Fragment	Fab Fragment
Conjugate	Unconjugated
Subcellular Location	Nucleus
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES


WB (Western Blot)

Western blot analysis of extracts from Rat liver, using QKI Antibody. The lane on the left was treated with blocking peptide.


WB (Western Blot)

Western blot analysis of extracts from K-562 cells, using QKI Antibody. The lane on the left was treated with blocking peptide.



IF (Immunofluorescence)

staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(1:200 Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(1:600 Green) were used as the secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-QKI antibody	Description: RNA-binding protein that plays a central role in myelination (PubMed:16641098). Binds to the 5'-NACUAAAY-N(1,20)-UAAAY-3' RNA core sequence. Regulates target mRNA stability (PubMed:23630077). In addition, acts by regulating pre-mRNA splicing, mRNA export and protein translation. Required to protect and promote stability of mRNAs such as MBP and CDKN1B. Regulator of oligodendrocyte differentiation and maturation in the brain that may play a role in myelin and oligodendrocyte dysfunction in schizophrenia (PubMed:16641098). 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 (By similarity). Post Translational Modifications: Methylated by PRMT1. Tyrosine phosphorylated at its C-terminus, probably by FYN. Phosphorylation leads to decreased mRNA-binding affinity, affecting transport and/or stabilization of MBP mRNA (By similarity). Subunit Structure: Homodimer (PubMed:23630077). Does not require RNA to homodimerize. Able to heterodimerize with BICC1 (By similarity). Similarity: The KH domain and the Qua2 region are involved in RNA binding.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74761039
NCBI GeneID	9444
UniProt Accession #	Q96PU8
Molecular Weight	Observed: 38 kDa Predicted: 38 kDa
NCBI Official Full Name	Protein quaking
NCBI Official Synonym Full Names	QKI, KH domain containing RNA binding
NCBI Official Symbol	QKI
NCBI Official Synonym Symbols	QK; Hqk; QK1; QK3; hqkl
NCBI Protein Information	protein quaking
UniProt Protein Name	Protein quaking
UniProt Gene Name	QKI
UniProt Synonym Gene Names	HKQ; Hqk; Hqkl
UniProt Entry Name	QKI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.