

## QK1 Antibody FITC Conjugated

Catalog No: #C01318F

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## Description

Product Name	QK1 Antibody FITC Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	ICC IF
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human QK1
Conjugates	FITC
Target Name	QK1
Other Names	HKQ; Homolog of mouse quaking QKI KH domain RNA binding protein; Hqk; HQK1; Hqkl; Protein quaking; QK; QK1; QK3; QKI; 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.
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

ICC=1:50-200 IF=1:50-200

## Background

QKI is a 341 amino acid protein that localizes to both the cytoplasm and the nucleus and contains one KH domain. Expressed in the frontal cortex of the brain, QKI functions as an RNA-binding protein that plays an important role in myelination and specifically binds to the RNA core sequence 5'-NACUAAAY-N(1,20)-UAAAY-3'. Additionally, QKI regulates pre-mRNA splicing, and mRNA export and is involved in protecting and promoting the stability of select mRNAs. QKI may be methylated by PRMT1 and may also be phosphorylated at its C-terminus, an event that decreases QKI mRNA-binding affinity. Defects or deletions in the gene encoding QKI are associated with astrocytic tumors and may be involved in the pathogenesis of schizophrenia. Multiple isoforms of QKI exist due to alternative splicing events.

**Note:** This product is for in vitro research use only