Mouse Pan-QKI Monoclonal Antibody | anti-QKI antibody

QKI (pan) Antibody: ATTO 390

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103060	**Mouse**	**Human, Rat, Mouse**	**Immunofluorescence, Immunohistochemistry, Immunocytochemistry, Western Blot**

PRODUCT SYNONYMS

Pan-QKI; Monoclonal Antibody; QKI (pan) Antibody: ATTO 390; Protein quaking; Hqk; HqkI; QKI; KH Domain Containing; RNA Binding (QKI); anti-QKI antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	S147-6
Specificity	Detects ~36-38kDa.
Purity/Purification	Protein G purified
Form/Format	10mM PBS/Bicarbonate
Concentration	1mg/ml (varies by lot)
Sequence Length	341
Applicable Applications for anti-QKI antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)
Conjugate	ATTO 390
Cellular Localization	Cytoplasm/ Nucleus
Immunogen	Fusion protein amino acids 1-341 (full-length) of human QKI-5. Mouse: 100% identity (341/341 amino acids identical). Rat: 99% identity (339/341 amino acids identical) >90% identity with QKI-6, QKI-7 and QKI-7b.
Certificate of Analysis	1 ug/ml of QKI in 20 ug of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Function	QKI is also called Protein Quaking or HqkI. QKI is an RNA-binding protein that plays a central role in myelinization. QKI acts by regulating pre-mRNA splicing, mRNA export, mRNA stability and protein translation, and is itself, regulated by alternative splicing. QKI is expressed in the frontal cortex of brain, but is shown to be down-regulated in the brain of schizophrenic patients.
Preparation and Storage	Store at 2-8°C. Do not freeze.

IMAGES



WB (Western Blot)
Western Blot analysis of Rat Brain Membrane showing detection of 36-38 kDa QKI (pan) protein using Mouse Anti-QKI (pan) Monoclonal Antibody, Clone S147-6. Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane. Load: 15 ug. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-QKI (pan) Monoclonal Antibody at 1:200 for 16 hours at 4 degree C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: 36-38 kDa.

ADDITIONAL INFORMATION

Product Categories/Family for anti-QKI antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	45827706
NCBI GeneID	9444
NCBI Accession #	NP_006766.1
NCBI GenBank Nucleotide #	NM_006775.2
UniProt Accession #	Q96PU8; Q2I375; Q5MJQ1; Q969L9; Q96EJ3; Q96KA3; Q96PU6; Q96PU7; Q9P0X6; Q9P0X7; Q9P0X8; Q9P0X9
NCBI Official Full Name	protein quaking isoform 1
NCBI Official Synonym Full Names	QKI, KH domain containing, RNA binding
NCBI Official Symbol	QKI
NCBI Official Synonym Symbols	QK; Hqk; QK1; QK3; hqkI
NCBI Protein Information	protein quaking; RNA binding protein HQK; quaking homolog, KH domain RNA binding; homolog of mouse quaking QKI (KH domain RNA binding protein)
UniProt Protein Name	Protein quaking
UniProt Gene Name	**QKI**
UniProt Synonym Gene Names	HKQ; Hqk; HqkI
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/pan-qki-antibody-clone-s147-6-immunofluorescence-immunohistochemistry-immunocytochemistry-western-blot-elisa/103060