

Datasheet for ABIN1741377
anti-QKI antibody (AA 1-341)

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	QKI
Binding Specificity:	AA 1-341
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

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.
Clone:	S147-6
Isotype:	IgG2b
Specificity:	Detects ~36-38 kDa.
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Protein G Purified

Target Details

Target:	QKI
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Target Details

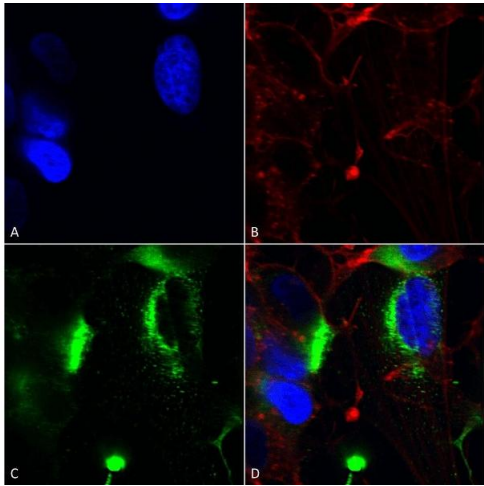
Alternative Name:	QKI (QKI Products)
Background:	QKI is also called Protein Quaking or Hqkl. QKI is an RNA-binding protein that plays a central role in myelination. QKI acts by regulating pre-mRNA splicing, mRNA export, mRNA stability and protein translation, and is itself, regulated by alternative splicing. QKI is expressed in the frontal cortex of brain, but is shown to be down-regulated in the brain of schizophrenic patients.
Gene ID:	9444
UniProt:	Q96PU8

Application Details

Application Notes:	<ul style="list-style-type: none">• WB (1:1000)• optimal dilutions for assays should be determined by the user.
Comment:	1 µg/ml of ABIN1741377 was sufficient for detection of Pan-QKI in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Restrictions:	For Research Use only

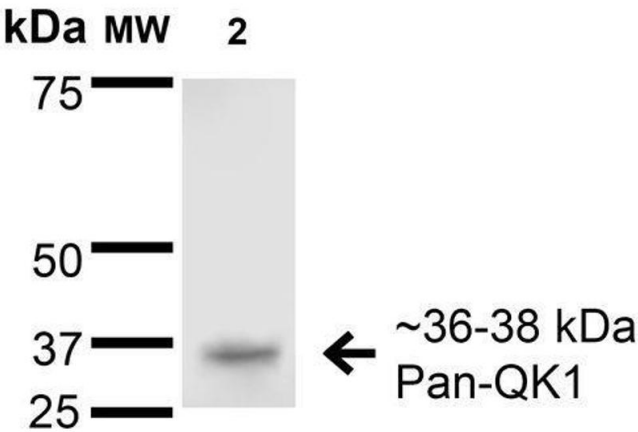
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS pH 7.4, 50 % glycerol, 0.1 % sodium azide, Storage buffer may change when conjugated
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C



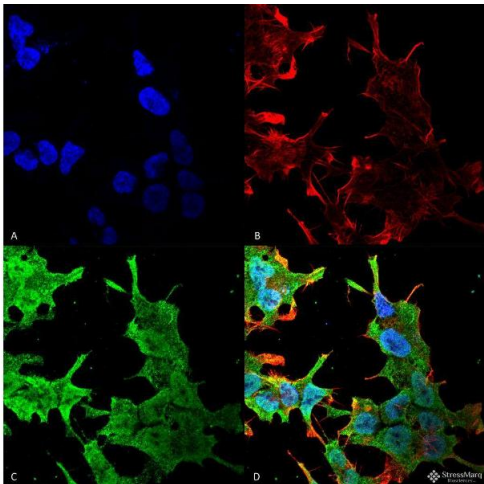
Immunocytochemistry

Image 1. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-QKI (pan) Monoclonal Antibody, Clone S147-6 (ABIN1741377). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4 % PFA for 15 min. Primary Antibody: Mouse Anti-QKI (pan) Monoclonal Antibody (ABIN1741377) at 1:200 for overnight at 4 °C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain, Hoechst (blue) nuclear stain at 1:800, 1.6 mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) QKI (pan) Antibody (D) Composite.



Western Blotting

Image 2. 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 µg. 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°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.



Immunofluorescence (fixed cells)

Image 3. Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-QKI (pan) Monoclonal Antibody, Clone S147-6 . Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-QKI (pan) Monoclonal Antibody at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue)

nuclear stain at 1:1000; 1:5000 for 60 min RT, 5 min RT.
Localization: Cytoplasm, Nucleus. Magnification: 60X. (A)
DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin
stain (C) QKI (pan) Antibody (D) Composite.