

Pan-QKI Monoclonal Antibody

ORDERING INFORMATION

Catalog no.: 56555 (clone S147-6)

Format: 100ug (1mg/ml) Protein G-purified antibody in PBS, pH 7.4, 0.1% sodium azide, 50% glycerol.

BACKGROUND

QKI (also called Protein Quaking or Hqkl) 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; it is shown to be downregulated in the brains of schizophrenic patients.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 1-341 (full-length) of human QKI-5. This sequence is 100% identical to mouse, 99% identical to rat, and >90% identical to QKI-6, QKI-7, and QKI-7b.

Accession nos.: NP_006766.1, Q96PU8

Gene Id: 9444

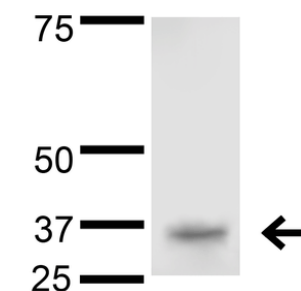
Host Species: Mouse

Antibody Class: IgG2b

Specificity: This antibody recognizes human, mouse, and rat QKI-5. It cross-reacts with QKI-6, QKI-7, and QKI-7b.

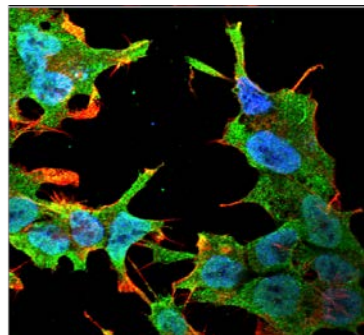
APPLICATIONS

Immunoblotting: use at 1-5ug/ml. A band of ~36-38kDa is detected.



Detection of QKI-5 in rat brain lysate with #56555 at 5ug/ml.

Immunofluorescence: use at 10ug/ml.



Detection of QKI-5 in neuroblastoma cell line SK-N-BE with #56555 at 10ug/ml: DAPI (blue) nuclear stain, Texas Red F actin stain, ATTO 488 (green) QKI-5 stain.

These are recommended concentrations.

Endusers should determine optimal concentrations for their application.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for therapeutic or diagnostic procedures.