

QKI Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2707a

Specification

QKI Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q96PU8
Other Accession	Q5W9D5 , Q9QYS9 , Q5W9D7 , Q6P104 , Q32NN2 , Q5W9D6
Reactivity Predicted	Human, Mouse Xenopus, Zebrafish, Bovine, Horse, Pig
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	1-30

QKI Antibody (N-term) - Additional Information

Gene ID 9444

Other Names

Protein quaking, Hqk, Hqkl, QKI, HKQ

Target/Specificity

This QKI antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human QKI.

Dilution

WB~~1:2000

IHC-P~~1:100

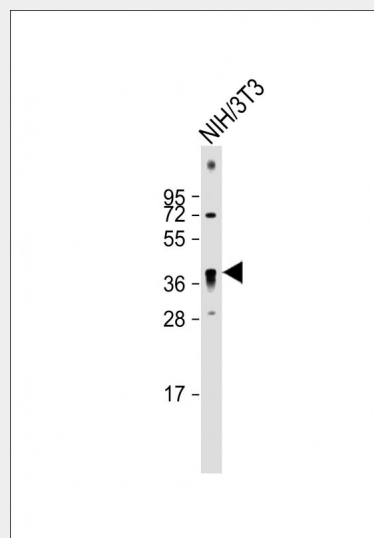
Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

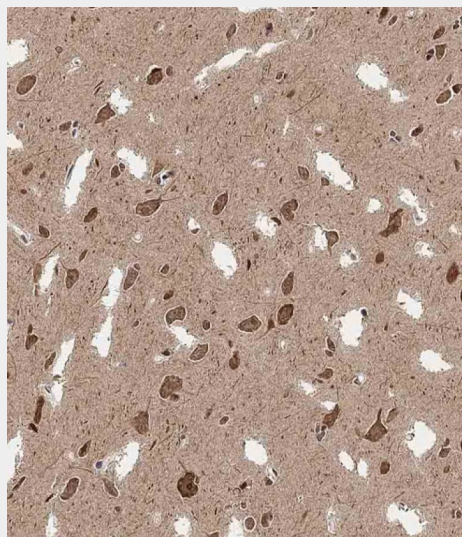
Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions



Anti-QKI Antibody (N-term) at 1:2000 dilution + NIH/3T3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 38 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Immunohistochemical analysis of AP2707A on paraffin-embedded Human brain tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval

QKI Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

QKI Antibody (N-term) - Protein Information

Name QKI

Synonyms HKQ

Function

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).

Cellular Location

Nucleus. Cytoplasm.

Tissue Location

Expressed in the frontal cortex of brain. Down-regulated in the brain of schizophrenic patients

QKI Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.



Immunohistochemical analysis of AP2707A on paraffin-embedded Human placenta tissue. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:100) for 1 hour at room temperature. Undiluted CRF Anti-Polyvalent HRP Polymer antibody was used as the secondary antibody.

QKI Antibody (N-term) - Background

QKI belongs to a family of RNA-binding proteins that have an HNRNPK homology (KH) domain embedded in a 200-amino acid region called the GSG domain. Other members of this family include SAM68 (KHDRBS1) and SF1.

QKI Antibody (N-term) - References

Zhao,L., J. Neurosci. 26 (44), 11278-11286 (2006)
Haroutunian,V., Am J Psychiatry 163 (10), 1834-1837 (2006)
Aberg,K., Proc. Natl. Acad. Sci. U.S.A. 103 (19), 7482-7487 (2006)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)