

Product datasheet for **AM60063PU-N**

QK1 (QKI) (pan) Mouse Monoclonal Antibody [Clone ID: S147-6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S147-6
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/1000; 1 µg/ml was sufficient for detection of QKI (pan) in 20 µg of rat brain lysate by colorimetric immunoblot analysis using HRP conjugated secondary antibody. Immunocytochemistry. Immunohistochemistry: Free floating sections, fixed in formaldehyde.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1-341 (full-length) of human QKI-5 (accession number Q96PU8, isoform 1) with >90% identity with QKI-6, QKI-7 and QKI-7b.
Specificity:	This antibody detects a 36-38 kDa protein corresponding to the molecular weight of QKI (pan).
Formulation:	PBS pH 7.4, 50% Glycerol, 0.09% Sodium azide State: Purified State: Liquid purified IgG fraction
Concentration:	lot specific
Purification:	Protein G chromatography
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	QKI, KH domain containing, RNA binding
Database Link:	Entrez Gene 9444 Human Q96PU8



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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. Several isoforms are known.

Synonyms: HKQ, QK1, QK3