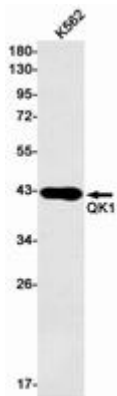


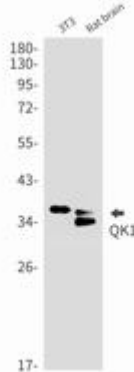
**QK1 RABBIT MAB****Cat.#:** N262791**Product Name:** Anti-QK1 Rabbit Monoclonal Antibody**Synonyms:** QK; Hqk; QK1; QK3; hqkl**UNIPROT ID:** Q96PU8

**Background:** RNA-binding protein that plays a central role in myelination (PubMed:16641098). Binds to the 5'-NACUAAAY-N(1,20)-UAAY-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 .

**Immunogen:** A synthetic peptide of human QK1**Applications:** WB,IP**Recommended Dilutions:** WB: 1/500-1/1000 IP: 1/20**Host Species:** Rabbit**Clonality:** Rabbit Monoclonal**Clone ID:** R01-3F7**MW:** Calculated MW: 38 kDa; Observed MW: 38 kDa**Isotype:** IgG**Purification:** Affinity Purified**Species Reactivity:** Human,Mouse,Rat**Conjugation:** Unconjugated**Modification:** Unmodified**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide**Research Areas:** Neuroscience**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



Western blot analysis of QK1 in K562 lysates using QK1 antibody.



Western blot analysis of QK1 in 3T3, rat brain lysates using QK1 antibody.