

Human Protein Quaking (QKI) ELISA Kit | QKI elisa kit

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CATALOG #
AAA331190

REACTIVITY
Human

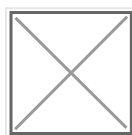
PRODUCT SYNONYMS

Protein Quaking (QKI); Human Protein Quaking (QKI) ELISA Kit; QKI; DKFZp586l0923; Hqk; QK; QK1; QK3; RNA binding protein HQK; homolog of mouse quaking QKI (KH domain RNA binding protein); quaking homolog; KH domain RNA binding; QKI elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein quaking (QKI) ELISA Kit has high sensitivity and excellent specificity for detection of Human QKI. No significant cross-reactivity or interference between Human QKI and analogues was observed.
Sequence Length	341
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein quaking (QKI) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for QKI elisa kit	Description: This Human Protein quaking (QKI) ELISA Kit employs a two-site sandwich ELISA to quantitate QKI in samples. An antibody specific for QKI has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any QKI present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for QKI is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of QKI bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: QKI belongs to a family of RNA-binding proteins called STAR proteins for Signal Transduction and Activation of RNA. They 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. The QKI gene is implicated as being important in schizophrenia, and QKI controls translation of many oligodendrocyte-related genes. The balance between the nuclear and cytoplasmic isoforms of Qk1 controlled the nuclear export of Mbp mRNAs and the cellular localization of the 17- and 21.5-kD Mbp isoforms. Overexpression of Qki-5 in cultured rodent oligodendrocytes recreated the Mbp defects observed in qk(v) mice, with retention of Mbp in the nucleus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74761039
NCBI GeneID	9444
UniProt Accession #	Q96PU8
NCBI Official Full Name	Protein quaking
NCBI Official Synonym Full Names	QKI, KH domain containing RNA binding
NCBI Official Symbol	QKI
NCBI Official Synonym Symbols	QK; Hqk; QK1; QK3; hqkl
NCBI Protein Information	protein quaking
UniProt Protein Name	Protein quaking
UniProt Gene Name	QKI
UniProt Synonym Gene Names	HKQ; Hqk; Hqkl
UniProt Entry Name	QKI_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.