ANKK1 ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	ANKK1, ELISA Kit
Full Product Name	ANKK1 Colorimetric Cell-Based ELISA Kit
Product Gene Name	ANKK1 elisa kit
Product Synonym Names	Protein kinase PKK2; X-kinase; Sugen kinase 288; SgK288
Species Reactivity	Human
Assay Type	Non-Phospho Cell-Based ELISA
Samples	Researchers plate their cell line of choice
Sensitivity	>=5000 cells/well
Form/Format	One 96-Well Plate
Preparation and Storage	Store at 4 degree C.
Molecular Weight	84 kDa
OMIM	AJ541797 mRNA
3D Structure	ModBase 3D Structure for Q8NFD2
Detection Method	Colorimetric 450 nm
Product Categories/Family for ANKK1 elisa kit	Cell Based ELISA Kit
Related Product Information for ANKK1 elisa kit	MBS9500908 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the ANKK1, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ANKK1. The ELISA analytical biochemical technique of the MBS9500908 kit is based on ANKK1 antibody-ANKK1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ANKK1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ANKK1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ANKK1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANKK1. It may not necessarily be applicable to this product.

NCBI GI #	30425444
NCBI GeneID	255239
NCBI Accession #	NP_848605.1
UniProt Primary Accession #	Q8NFD2
UniProt Related Accession #	Q8NFD2
GenBank Nucleotide #	NM_178510.1

NCBI Official Full Name	ankyrin repeat and protein kinase domain-containing protein 1
NCBI Official Synonym Full Names	ankyrin repeat and kinase domain containing 1
NCBI Official Symbol	ANKK1
NCBI Official Synonym Symbols	DRD2; PKK2
UniProt Protein Name	Ankyrin repeat and protein kinase domain-containing protein 1
UniProt Synonym Protein Names	Protein kinase PKK2; Sugen kinase 288; SgK288; X-kinase
Protein Family	Ankyrin repeat and protein kinase domain-containing protein
UniProt Gene Name	ANKK1
UniProt Synonym Gene Names	PKK2; SGK288; SgK288
NCBI Protein Information	ankyrin repeat and protein kinase domain-containing protein 1
NCBI Summary for ANKK1	The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated TaqIA, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. [provided by RefSeq, Sep 2009]
UniProt Comments for ANKK1	ANKK1: belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated TaqIA, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP. [provided by RefSeq, Sep 2009] Protein type: EC 2.7.11.1; Kinase, protein; Protein kinase, Ser/Thr (non-receptor); Protein kinase, TKL; RIPK family; TKL group Chromosomal Location of Human Ortholog: 11q23.2 Molecular Function: ATP binding; protein serine/threonine kinase activity Biological Process: protein amino acid phosphorylation
Research Articles on ANKK1	**1.** An association has been found between the DRD2/ANKK1 gene and alcohol use, and cognition.
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