Human Uracil phosphoribosyltransferase homolog (UPRT) ELISA Kit

Catalog No: #EK5934

Package Size: #EK5934-1 48T #EK5934-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Uracil phosphoribosyltransferase homolog (UPRT) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-311P8.3; DKFZp781E1243; FUR1; MGC23937; UPP; uracil phosphoribosyltransferase (FUR1) homolog
Accession No.	Q96BW1
Uniprot	Q96BW1
GeneID	139596;
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.057 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate UPRT in samples. An antibody specific for UPRT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyUPRT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for UPRT 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 UPRT bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Uqcc, called Bfzb, and identified its human homolog by database analysis. The deduced human and mouse proteins have a single transmembrane domain and share 94% amino acid identity. In situ hybridization of mouse embryos detected Bfzb predominantly in the developing nervous system, with highest expression in proliferating neuroepithelia of brain and neural tube, ganglia of cranial nerves V, VII, VIII, IX, and X, and dorsal root ganglia.

Transcripts were also detected in developing eye and brown fat. In adult mouse brain, strong expression was restricted to olfactory bulb, hippocampus, and piriform cortex and Purkinje cells of cerebellum. The Bfzb protein localized to cytoplasmic vesicular structures.

Note: This product is for in vitro research use only