

# Human Uracil Phosphoribosyltransferase Homolog (UPRT) ELISA Kit | UPRT elisa kit

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CATALOG #  
**AAA330310**

REACTIVITY  
**Human**

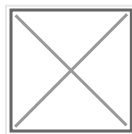
## PRODUCT SYNONYMS

Uracil Phosphoribosyltransferase Homolog (UPRT); Human Uracil Phosphoribosyltransferase Homolog (UPRT) ELISA Kit; UPRT; RP11-311P8.3; DKFZp781E1243; FUR1; MGC23937; UPP; uracil phosphoribosyltransferase (FUR1) homolog; UPRT elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Uracil phosphoribosyltransferase homolog (UPRT) ELISA Kit has high sensitivity and excellent specificity for detection of Human UPRT. No significant cross-reactivity or interference between Human UPRT and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Sequence Length         | 309                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## IMAGES



Standard Curve (Sample)

Fig.1. Human Uracil phosphoribosyltransferase homolog (UPRT) Standard Curve.

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for UPRT elisa kit | <p>Description: This Human Uracil phosphoribosyltransferase homolog (UPRT) ELISA Kit 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 any UPRT 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.</p> <p>Background: 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.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------------------------|
| NCBI GI #                        | 21450816                                           |
| NCBI GeneID                      | 139596                                             |
| NCBI Accession #                 | NP_659489                                          |
| NCBI GenBank Nucleotide #        | NP_659489.1                                        |
| UniProt Accession #              | Q96BW1                                             |
| NCBI Official Full Name          | uracil phosphoribosyltransferase homolog isoform 1 |
| NCBI Official Synonym Full Names | uracil phosphoribosyltransferase homolog           |
| NCBI Official Symbol             | UPRT                                               |
| NCBI Official Synonym Symbols    | UPP; FUR1                                          |
| NCBI Protein Information         | uracil phosphoribosyltransferase homolog           |
| UniProt Protein Name             | Uracil phosphoribosyltransferase homolog           |
| UniProt Gene Name                | UPRT                                               |

**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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/uracil-phosphoribosyltransferase-homolog-uprt/330310>