

Human E3 Ubiquitin-Protein Ligase Parkin (PARK2) ELISA Kit | PARK2 elisa kit

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CATALOG #
AAA331470

REACTIVITY
Human

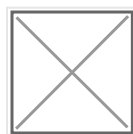
PRODUCT SYNONYMS

E3 Ubiquitin-Protein Ligase Parkin (PARK2); Human E3 Ubiquitin-Protein Ligase Parkin (PARK2) ELISA Kit; PARK2; AR-JP; LPRS2; PDJ; PRKN; E3 ubiquitin ligase; parkin; parkin 2; PARK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human E3 ubiquitin-protein ligase parkin (PARK2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PARK2. No significant cross-reactivity or interference between Human PARK2 and analogues was observed.
Sequence Length	465
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 E3 ubiquitin-protein ligase parkin (PARK2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PARK2 elisa kit	Description: This Human E3 ubiquitin-protein ligase parkin (PARK2) ELISA Kit employs a two-site sandwich ELISA to quantitate PARK2 in samples. An antibody specific for PARK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PARK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PARK2 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 PARK2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Parkin is a protein encoded by the PARK2 gene. The precise function of this protein is unknown; however, the protein is a component of a multiprotein E3 ubiquitin ligase complex which in turn is part of the ubiquitin-proteasome system that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause a familial form of Parkinson's disease known as autosomal recessive juvenile Parkinson disease. PARK2 is the parkin gene that may cause a form of autosomal recessive juvenile Parkinson disease due to a mutation in the parkin protein. This form of genetic mutation may be one of the most common known genetic causes of early-onset Parkinson disease.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169790969
NCBI GeneID	5071
NCBI Accession #	NP_004553.2
NCBI GenBank Nucleotide #	NP_004553.2
UniProt Accession #	O60260
NCBI Official Full Name	E3 ubiquitin-protein ligase parkin isoform 1
NCBI Official Synonym Full Names	parkin RBR E3 ubiquitin protein ligase
NCBI Official Symbol	PRKN
NCBI Official Synonym Symbols	PDJ; AR-JP; LPRS2; PARK2
NCBI Protein Information	E3 ubiquitin-protein ligase parkin
UniProt Protein Name	E3 ubiquitin-protein ligase parkin
UniProt Gene Name	PARK2
UniProt Synonym Gene Names	PRKN; Parkinson disease protein 2
UniProt Entry Name	PRKN2_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/e3-ubiquitin-protein-ligase-parkin-park2/331470>