

Human Prokineticin Receptor 2 (PROKR2) ELISA Kit | PROKR2 elisa kit

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CATALOG #
AAA331307

REACTIVITY
Human

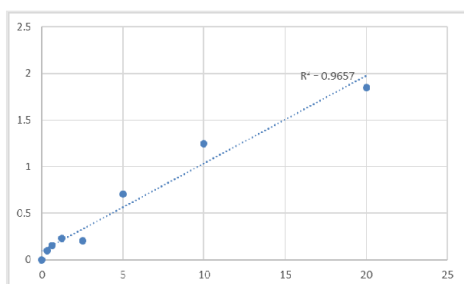
PRODUCT SYNONYMS

Prokineticin Receptor 2 (PROKR2); Human Prokineticin Receptor 2 (PROKR2) ELISA Kit; PROKR2; GPR73L1; GPR73b; GPRg2; KAL3; PKR2; dJ680N4.3; G protein-coupled receptor 73-like 1; PROKR2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prokineticin receptor 2 (PROKR2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROKR2. No significant cross-reactivity or interference between Human PROKR2 and analogues was observed.
Sequence Length	384
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 Prokineticin receptor 2 (PROKR2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PROKR2 elisa kit	Description: This Human Prokineticin receptor 2 (PROKR2) ELISA Kit employs a two-site sandwich ELISA to quantitate PROKR2 in samples. An antibody specific for PROKR2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROKR2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PROKR2 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 PROKR2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Prokineticins are secreted proteins that can promote angiogenesis and induce strong gastrointestinal smooth muscle contraction. The protein encoded by this gene is an integral membrane protein and G protein-coupled receptor for prokineticins. The encoded protein is similar in sequence to GPR73, another G protein-coupled receptor for prokineticins. Lin et al. (2002) cloned human GPR73L1 (PROKR2) by PCR of a pooled testis and fetal brain cDNA library. They also cloned GPR73 (PROKR1), which shares 85% overall sequence identity with GPR73L1. The greatest divergence between the proteins is in the N terminus, and both share about 80% sequence identity with mouse Gpr73. RT-PCR detected expression of GPR73L1 in brain, testis, small intestine, ovary, thyroid, pituitary, and salivary gland.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21426829
NCBI GeneID	128674
NCBI Accession #	NP_658986.1
NCBI GenBank Nucleotide #	NP_658986.1
UniProt Accession #	Q8NFJ6
NCBI Official Full Name	prokineticin receptor 2
NCBI Official Synonym Full Names	prokineticin receptor 2
NCBI Official Symbol	PROKR2
NCBI Official Synonym Symbols	HH3; KAL3; PKR2; GPRg2; GPR73b; GPR73L1; dJ680N4.3
NCBI Protein Information	prokineticin receptor 2
UniProt Protein Name	Prokineticin receptor 2
UniProt Gene Name	PROKR2
UniProt Synonym Gene Names	GPR73L1; PKR2; PK-R2
UniProt Entry Name	PKR2_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.