

Rat Urotensin 2 Receptor (UTS2R) ELISA Kit | UTS2R elisa kit

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CATALOG #
AAA65765

REACTIVITY
Rat

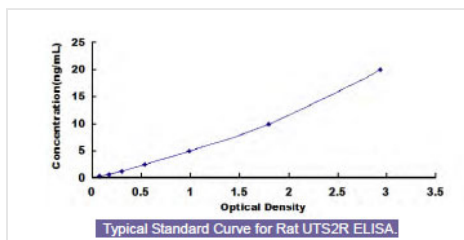
PRODUCT SYNONYMS

Urotensin 2 Receptor (UTS2R); Rat Urotensin 2 Receptor (UTS2R) ELISA Kit; UT; UTS2-R; GPR14; UTR2; Urotensin-II Receptor; Hypocretin Receptor; G Protein-Coupled Receptor 14; UTS2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of UTS2R. No significant cross-reactivity or interference between UTS2R and analogues was observed.
Sequence Length	386
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.108ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level UTS2R were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level UTS2R were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for UTS2R elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of UTS2R in rat tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to UTS2R. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to UTS2R. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain UTS2R, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of UTS2R in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	10120496
NCBI GeneID	57305
NCBI Accession #	NP_065412.1
NCBI GenBank Nucleotide #	NM_020537.1
UniProt Accession #	P49684; P48041
Molecular Weight	42,707 Da
NCBI Official Full Name	urotensin-2 receptor
NCBI Official Synonym Full Names	urotensin 2 receptor
NCBI Official Symbol	Uts2r
NCBI Official Synonym Symbols	Senr; Gpr14; UR-2-R
NCBI Protein Information	urotensin-2 receptor
UniProt Protein Name	Urotensin-2 receptor
UniProt Gene Name	Uts2r
UniProt Synonym Gene Names	Gpr14; Senr; UR-2-R; SENR; UR-II-R

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.