

Product datasheet for **TA328805**

Uts2r Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 1:200-1:2000; IHC: 1:100-1:3000
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide (C)RPLDTVQRSKGYRK, corresponding to amino acid residues 154-167 of rat UTIIR.Â 2nd intracellular loop.
Formulation:	Lyophilized. Concentration before lyophilization ~0.8mg/ml (lot dependent, please refer to CoA along with shipment for actual concentration). Buffer before lyophilization: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% NaN3.
Reconstitution Method:	Add 50 ul double distilled water (DDW) to the lyophilized powder.
Purification:	Affinity purified on immobilized antigen.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	urotensin 2 receptor
Database Link:	NP_065412 Entrez Gene 57305 Rat P49684

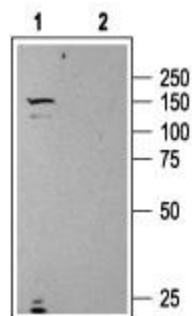
Background: Urotensin II is a very powerful vasoconstrictive substance. The human Urotensin II receptor (UTIIR) was originally isolated as an orphan receptor (GPR14) in neural and sensory tissues. Urotensin II is expressed in various human tissues such as CNS, skeletal muscle, smooth muscle, pancreas, and heart. Binding of Urotensin II to the receptor leads to activation of phospholipase C. The resulting increase in intracellular Ca²⁺ may cause the contraction of vascular smooth muscle. ERK1/2 phosphorylation may also be involved in mediating the biological activities of urotensin II. Recently, evidence has accumulated indicating that Urotensin II is also expressed in various kinds of tumor cells such as of adrenal tumors and neuroblastomas. In those cells Urotensin II was reported to stimulate cell growth.



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Synonyms: GPR14; UR-II-R; UTR; UTR2

Product images:



Western blot analysis of rat kidney membranes:
1. Anti-Urotensin II Receptor antibody, (1:200). 2. Anti-Urotensin II Receptor antibody, preincubated with the control peptide antigen.