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UTS2R antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI14978

Product Information

Application	WB
Primary Accession	Q9UKP6
Other Accession	NM_018949, NP_061822
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42130

Additional Information

Gene ID	2837
Alias Symbol	GPR14, UTR, UTR2, UR-2-R
Other Names	Urotensin-2 receptor, UR-2-R, G-protein coupled receptor 14, Urotensin II receptor, UR-II-R, UTS2R, GPR14
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-UTS2R antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	UTS2R antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

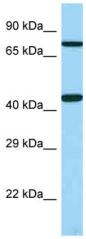
Name	UTS2R
Synonyms	GPR14
Function	G protein-coupled receptor for the vasoactive neuropeptides urotensin-2 and urotensin-2B (PubMed:14550283). Upon ligand binding, activates intracellular signaling cascades via G protein coupling, primarily through Gq/11, leading to phospholipase C activation, increased intracellular calcium, and activation of protein kinase C (PKC) (PubMed:18314227). Through coupling to G(i)/G(o) alpha subunits, stimulates MAPK/ERK pathways and thereby contributes to regulation of vascular tone, cardiac contractility, and cell proliferation (PubMed:12503613, PubMed:14753294). Ligand binding also

	triggers a marked reduction in the biogenesis of autophagosomes by inhibiting the recruitment of ATG16L1 to pre-autophagosomal endocytic vesicles (PubMed:27715446).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Most abundant expression in the heart and pancreas.

References

Ames R.S.,et al.Nature 401:282-286(1999).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Sugo T.,et al.Biochem. Biophys. Res. Commun. 310:860-868(2003).
Sjoeblom T.,et al.Science 314:268-274(2006).

Images



WB Suggested Anti-UTS2R Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Heart

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.