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Anti-UTS2R / GPR14 Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17572

Product Information

Application	IHC-P
Primary Accession	Q9UKP6
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42130
Concentration (mg/ml)	0.6 mg/ml

Additional Information

Gene ID	2837
Alias Symbol	UTS2R
Other Names	UTS2R, G protein-coupled receptor 14, GPR14, G-protein coupled receptor 14, UII-receptor, Urotensin 2 receptor, UT-II, UTR, UTR2, Uii-r, UR-2-R, Senr, Uii-r1a, Uiir, UR-II-R, Urotensin II receptor, Urotensin-2 receptor
Target/Specificity	Human UTS2R / GPR14. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-UTS2R / GPR14 Antibody (Cytoplasmic Domain) 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.

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