

# Anti-UTS2R / GPR14 Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody  
Catalog # ALS17491

## Product Information

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<b>Application</b>	IHC-P
<b>Primary Accession</b>	<a href="#">Q9UKP6</a>
<b>Predicted</b>	Human, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	42130
<b>Concentration (mg/ml)</b>	1 mg/ml

## Additional Information

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<b>Gene ID</b>	2837
<b>Alias Symbol</b>	UTS2R
<b>Other Names</b>	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, Uii-r, UR-II-R, Urotensin II receptor, Urotensin-2 receptor
<b>Target/Specificity</b>	Human UTS2R / GPR14. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Reconstitution &amp; Storage</b>	Immunoaffinity purified
<b>Precautions</b>	Anti-UTS2R / GPR14 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	UTS2R
<b>Synonyms</b>	GPR14
<b>Function</b>	G protein-coupled receptor for the vasoactive neuropeptides urotensin-2 and urotensin-2B (PubMed: <a href="#">14550283</a> ). 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: <a href="#">18314227</a> ). 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: <a href="#">12503613</a> , PubMed: <a href="#">14753294</a> ). 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'.