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

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17491

## Product Information

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| **Application** | IHC-P |
| **Primary Accession** | Q9UKP6 |
| **Predicted** | Human, Monkey |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 42130 |
| **Concentration (mg/ml)** | 1 mg/ml |

## Additional Information

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| **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 (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

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| **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).

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| **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'.