

**DATASHEET**

**GPR14 Rabbit Polyclonal Antibody**

CAT. NO. APA17272

**KEY FEATURES**

Target	GPR14	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

**BACKGROUND**

G protein-coupled receptor for the vasoactive neuropeptides urotensin-2 and urotensin-2B . 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) . 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 . Ligand binding also triggers a marked reduction in the biogenesis of autophagosomes by inhibiting the recruitment of ATG16L1 to pre-autophagosomal endocytic vesicles .

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

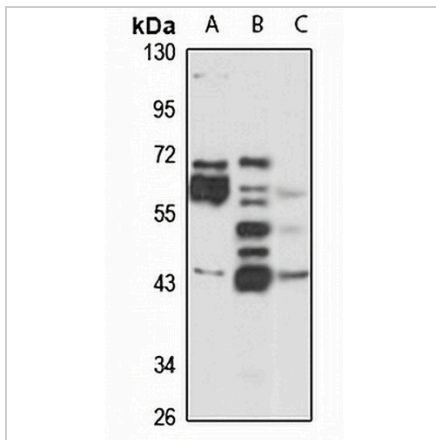
Description	Rabbit polyclonal antibody to GPR14
Specificity	Recognizes endogenous levels of GPR14 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human GPR14. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 42 kD; Observed: 42 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GPR14; Urotensin-2 receptor; UR-2-R; G-protein coupled receptor 14; Urotensin II receptor; UR-II-R
Gene Symbol	UTS2R
Entrez Gene	2837(Human); 217369(Mouse); 57305(Rat)
SwissProt	Q9UKP6(Human); Q8VIH9(Mouse); P49684(Rat)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of GPR14 expression in HeLa (A), mouse heart (B), rat brain (C) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 42 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.