



Anti-UTS2 polyclonal antibody (DPAB3155RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal antibody to human Urotensin II
Antigen Description	Urotensin-2 is a protein that in humans is encoded by the UTS2 gene. This genetic encodes an invidious mature peptide that is an active cyclic homogeneous heptapeptide absolutely conserved from lamprey to human. The active cyclic peptide acts as a vaso-constrictor and is expressed only in brain tissue. Despite the genetic family name similarity, this gene is not homologous to urocortine, a member of the sauvagine/corticotropin-releasing factor/urotensin I family. Most of the pro-protein is analogously cleaved to make the mature peptide. Transcript variants encoding different preproprotein endocrine isoforms have been described for this genetic structure.
Specificity	Synthetic human Urotensin II. There were no cross reactivities obtained with human Endothelin (aa 1-21) (< 0,1%); human big Endothelin (aa 1-38) (< 0,1%); human Urodilatin; human ANP (1-28) (< 0,1%); human BNP (aa 1-32) (< 0,1%); Adrenomedulin
Immunogen	Synthetic human Urotensin II, KLH conjugated (ETPDCFWKYCV)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA
Concentration	20 µl / 100 µl (lyophilized). Resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2-8 °C (lyophilized); - 20 °C (dissolved). Repeated thawing and freezing must be avoided

GENE INFORMATION

Gene Name	UTS2 urotensin 2 [Homo sapiens]
Synonyms	urotensin 2; UCN2; U-II; Urotensin II; UII; OTTHUMP00000001356; PRO1068; urotensin-2; OTTHUMP00000001357; OTTHUMP00000001358
Entrez Gene ID	10911
Protein Refseq	NP_006777
UniProt ID	O95399
Chromosome Location	1p36
Pathway	Class A/1 (Rhodopsin-like receptors); G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; Peptide ligand-binding receptors; Signaling by GPCR
Function	hormone activity; receptor binding