

GALP Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP54533

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9UBC7
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	12545
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GALP
Epitope Specificity	25-84/116
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
SIMILARITY	Belongs to the galanin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the galanin family of neuropeptides. The encoded protein binds galanin receptors 1, 2 and 3 with the highest affinity for galanin receptor 3 and has been implicated in biological processes involving the central nervous system including hypothalamic regulation of metabolism and reproduction. A peptide encoded by a splice variant of this gene, termed alarin, may have vasoactive properties and serve as a marker for neuroblastic tumors.[provided by RefSeq, Mar 2009].

Additional Information

Gene ID	85569
Other Names	Galanin-like peptide, GALP
Target/Specificity	Isoform 2 is found in ganglia of ganglioneuroma and ganglioneuroblastoma, as well as in differentiated tumor cells of neuroblastoma tissues. Not found in undifferentiated neuroblasts. Isoform 2 is found in the skin, in pericytes covering microvascular arterioles and venules on their abluminal surfaces. In larger vessels, isoform 2 is expressed in layers of smooth muscle cells. Isoform 2 is not detected in endothelial cells.
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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Protein Information

Name	GALP
Function	[Isoform 1]: Hypothalamic neuropeptide which binds to the G-protein-coupled galanin receptors (GALR1, GALR2 and GALR3). Involved in a large number of putative physiological functions in CNS homeostatic processes, including the regulation of gonadotropin-releasing hormone secretion.
Cellular Location	Secreted.
Tissue Location	Isoform 2 is found in ganglia of ganglioneuroma and ganglioneuroblastoma, as well as in differentiated tumor cells of neuroblastoma tissues. Not found in undifferentiated neuroblasts Isoform 2 is found in the skin, in pericytes covering microvascular arterioles and venules on their abluminal surfaces. In larger vessels, isoform 2 is expressed in layers of smooth muscle cells. Isoform 2 is not detected in endothelial cells

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