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[Primary Antibody]

Rabbit Anti-GALP antibody

Catalog Number: SL11526R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	GALP
Immunogen:	KLH conjugated synthetic peptide derived from human GALP: 25-84/116
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human)
Predicted MW.:	6kDa
Subcellular Location:	Secretory protein
Background:	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]. **Function:** 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

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	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. Isoform 2 exhibits potent and dose-dependent vasoconstrictor and anti-edema activity in the cutaneous microvasculature, a physiologic effect which does not appear to be mediated via GALR1 or GALR2. **Subcellular Location:** Secreted. **Tissue 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. **Similarity:** Belongs to the galanin family. **Database links:** **Entrez Gene:** 85569 Human Omim: 611178 Human **SwissProt:** Q9UBC7 Human

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