

Rabbit anti-Human GAL Polyclonal Antibody | anti-GAL antibody

GAL Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283943	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot

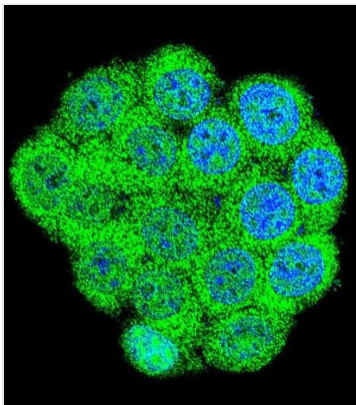
PRODUCT SYNONYMS

GAL; Polyclonal Antibody; GAL Antibody (Center); Galanin peptides; Galanin; Galanin message-associated peptide; GMAP; GAL1; GALN; GLNN; anti-GAL antibody

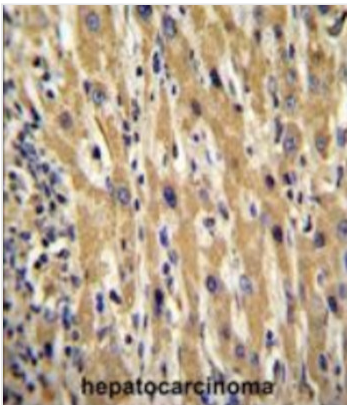
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	This GAL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 48-79 amino acids from the Central region of human GAL.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	48-79
Sequence Length	123
Applicable Applications for anti-GAL antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Function	Endocrine hormone of the central and peripheral nervous systems that binds and activates the G protein-coupled receptors GALR1, GALR2, and GALR3. This small neuropeptide may regulate diverse physiologic functions including contraction of smooth muscle of the gastrointestinal and genitourinary tract, growth hormone and insulin release and adrenal secretion.
Cellular Location	Secreted
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

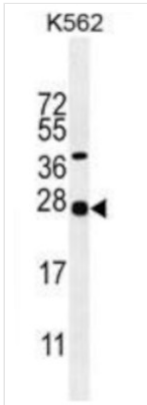
IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of GAL Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)
GAL Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GAL Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GAL Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the GAL antibody detected the GAL protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GAL antibody	Galanin is small neuropeptide that functions as a cellular messenger within the central and peripheral nervous systems, modulating diverse physiologic functions (Mechenthaler, 2008 [PubMed 18500643]).
Product Categories/Family for anti-GAL antibody	Cardiovascular; Metabolism; Neuroscience
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Ruano, G., et al. Pharmacogenomics 11(7):959-971(2010) Pinheiro, A.P., et al. Am. J. Med. Genet. B Neuropsychiatr. Genet. 153B (5), 1070-1080 (2010) : Unschuld, P.G., et al. Neuropsychopharmacology 35(7):1583-1592(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	27804313
NCBI GeneID	51083
NCBI Accession #	NP_057057.2
NCBI GenBank Nucleotide #	NM_015973.3
UniProt Accession #	P22466; Q14413

Molecular Weight	13302
NCBI Official Full Name	galanin peptides preproprotein
NCBI Official Synonym Full Names	galanin/GMAP prepropeptide
NCBI Official Symbol	GAL
NCBI Official Synonym Symbols	GALN; GLNN; GMAP; GAL-GMAP
NCBI Protein Information	galanin peptides
UniProt Protein Name	Galanin peptides
UniProt Gene Name	GAL
UniProt Synonym Gene Names	GAL1; GALN; GLNN; GMAP
UniProt Entry Name	GALA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gal-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/283943>