

**Goat Anti-GAL Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2201a****Specification**

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**Goat Anti-GAL Antibody - Product Information**

|                   |                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------|
| Application       | WB, IHC                                                                                                         |
| Primary Accession | <a href="#">P22466</a>                                                                                          |
| Other Accession   | <a href="#">NP_057057</a> , <a href="#">51083</a> , <a href="#">14419 (mouse)</a> , <a href="#">29141 (rat)</a> |
| Reactivity        | Human, Mouse                                                                                                    |
| Predicted         | Rat, Cow                                                                                                        |
| Host              | Goat                                                                                                            |
| Clonality         | Polyclonal                                                                                                      |
| Concentration     | 100ug/200ul                                                                                                     |
| Isotype           | IgG                                                                                                             |
| Calculated MW     | 13302                                                                                                           |

**Goat Anti-GAL Antibody - Additional Information****Gene ID** 51083**Other Names**

Galanin peptides, Galanin, Galanin message-associated peptide, GMAP, GAL, GAL1, GALN, GLNN

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-GAL Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

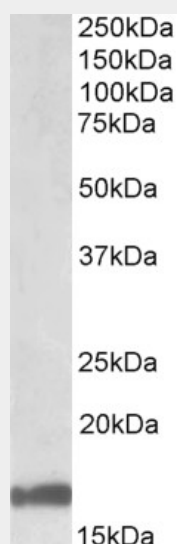
**Goat Anti-GAL Antibody - Protein Information****Name** GAL**Synonyms** GAL1, GALN, GLNN**Function**

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.

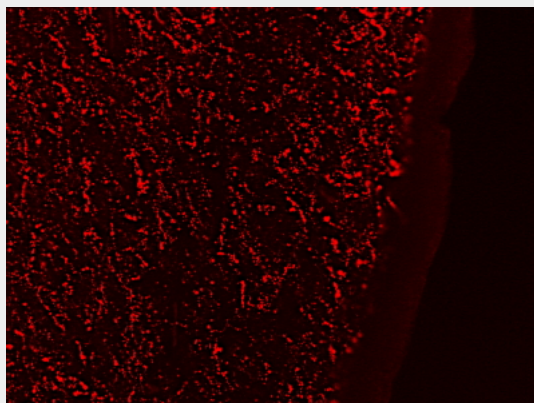
**Cellular Location**  
Secreted**Goat Anti-GAL Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat Anti-GAL Antibody - Images**

AF2201a (1  $\mu$ g/ml) staining of Human Cerebellum lysate (35  $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF2201a (0.3  $\mu$ g/ml) staining of PFA-perfused cryosection of Human Hypothalamus. Antigen retrieval with citrate buffer pH 6 at 80C for 30min, Cy3-staining. Data obtained by Prof. Erik Hrabovszky, Inst, Exp, Med., Budapest, Hungary.

## **Goat Anti-GAL Antibody - Background**

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]).

## **Goat Anti-GAL Antibody - References**

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruaño G, et al. Pharmacogenomics, 2010 Jul. PMID 20602615.

Association study of 182 candidate genes in anorexia nervosa. Pinheiro AP, et al. Am J Med Genet B Neuropsychiatr Genet, 2010 Jul. PMID 20468064.

Gender-specific association of galanin polymorphisms with HPA-axis dysregulation, symptom severity, and antidepressant treatment response. Unschuld PG, et al. Neuropsychopharmacology, 2010 Jun. PMID 20237460.

Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. Talmud PJ, et al. Am J Hum Genet, 2009 Nov. PMID 19913121.