

**GFRAL Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP11069B****Specification**

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**GFRAL Antibody (C-term) - Product Information**

Application	WB, IHC-P, FC,E
Primary Accession	<a href="#">Q6UXV0</a>
Other Accession	<a href="#">NP_997293.2</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	366-394

**GFRAL Antibody (C-term) - Additional Information****Gene ID** 389400**Other Names**

GDNF family receptor alpha-like, GFRAL, C6orf144

**Target/Specificity**

This GFRAL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-394 amino acids from the C-terminal region of human GFRAL.

**Dilution**

WB~~1:2000  
IHC-P~~1:50~100  
FC~~1:10~50

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

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

**Precautions**

GFRAL Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**GFRAL Antibody (C-term) - Protein Information****Name** GFRAL ([HGNC:32789](#))**Synonyms** C6orf144

**Function** Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (PubMed:[28953886](#), PubMed:[28846097](#), PubMed:[28846098](#), PubMed:[28846099](#)). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKT- signaling pathways.

#### Cellular Location

Cell membrane; Single-pass membrane protein; Extracellular side

#### Tissue Location

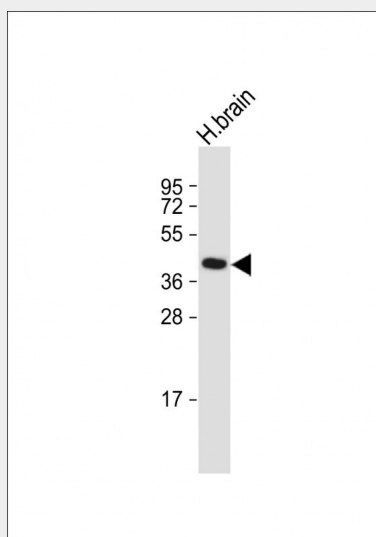
Expressed in the brainstem, restricted to cells in the area postrema and the immediately adjacent region of the nucleus tractus solitarius (at protein level) (PubMed:[28846097](#), PubMed:[28846098](#)). Detected at low levels in testis and adipose tissue (PubMed:[28846097](#)).

### GFRAL Antibody (C-term) - Protocols

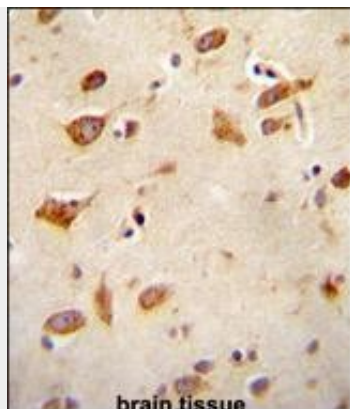
Provided below are standard protocols that you may find useful for product applications.

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

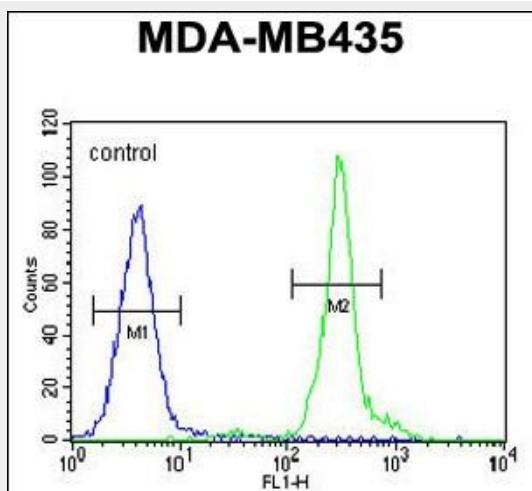
### GFRAL Antibody (C-term) - Images



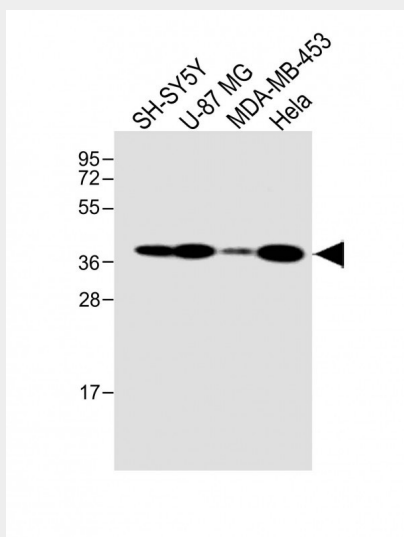
Anti-GFRAL Antibody (C-term) at 1:1000 dilution + Human brain whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



GFRAL antibody (C-term) (Cat. #AP11069b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GFRAL antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



GFRAL Antibody (C-term) (Cat. #AP11069b) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control (Rabbit IgG isotype) (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



All lanes : Anti-GFRAL Antibody (C-term) at 1:2000 dilution Lane 1: SH-SY5Y whole cell lysate

Lane 2: U-87 MG whole cell lysate Lane 3: MDA-MB-453 whole cell lysate Lane 4: Hela whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

#### **GFRAL Antibody (C-term) - References**

Fellay, J., et al. PLoS Genet. 5 (12), E1000791 (2009) :  
Li, Z., et al. J. Neurochem. 95(2):361-376(2005)  
Mungall, A.J., et al. Nature 425(6960):805-811(2003)  
Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)