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

Specification

GFRAL Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q6UXV0
Other Accession	NP_997293.2
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

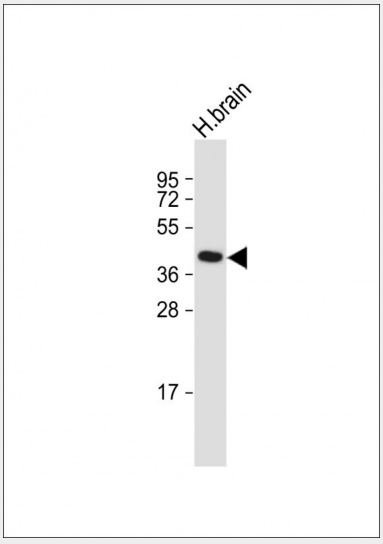
Tissue Location
Expressed in the brainstem, restricted to cells in the area postrema and the immediately adjacent region of the nucleus tractus solitarius (at protein level) (PubMed:28846097, PubMed:28846098). Detected at low levels in testis and adipose tissue (PubMed:28846097).

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 Cytomety
- 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.

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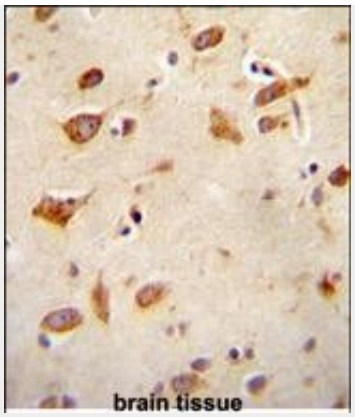
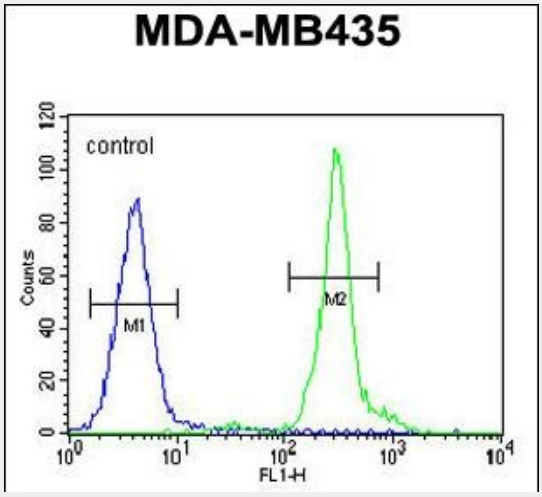
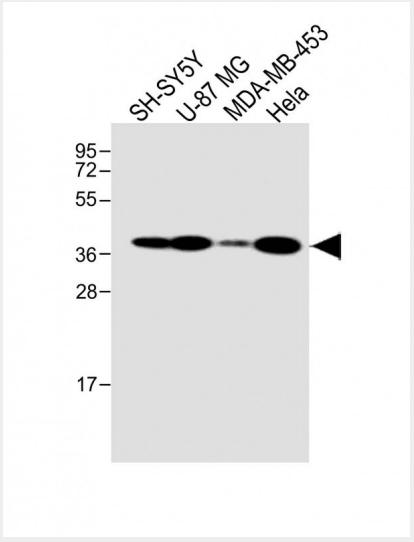


GFRAL antibody (C-term) (Cat. #AP11069b) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GFRAL antibody (C-term) for immunohistochemistry. Clinical 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

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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)