

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

GFRAL Antibody (C-term)

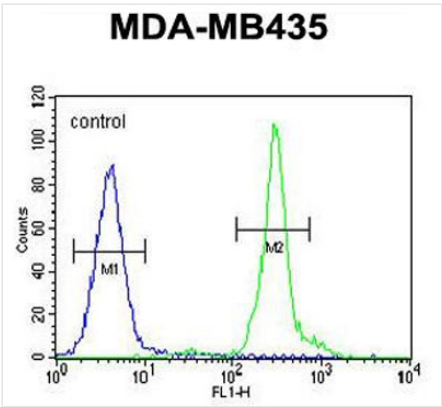
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286038	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

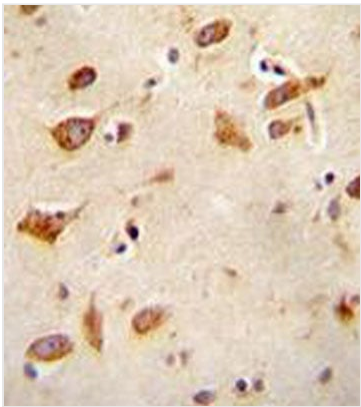
GFRAL; Polyclonal Antibody; GFRAL Antibody (C-term); GDNF family receptor alpha-like; C6orf144; anti-GFRAL antibody

PRODUCT SPECIFICATIONS

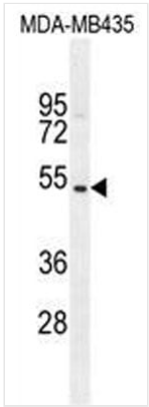
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This GFRAL antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-394 amino acids from the C-terminal region of human GFRAL.
Purity/Purification	This antibody is purified through 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	366-394
Sequence Length	394
Applicable Applications for anti-GFRAL antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Brainstem-restricted receptor for GDF15 which regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (PubMed: , PubMed: , PubMed: , PubMed:). Upon interaction with its ligand, GDF15, interacts with RET and induces cellular signaling through activation of MAPK- and AKTsignaling 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).
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



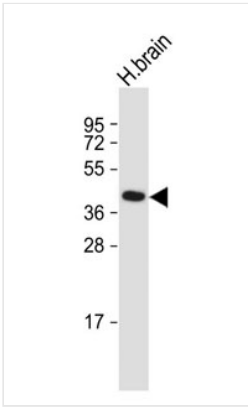
FCM/FACS (Flow Cytometry)
GFRAL Antibody (C-term) (AAA286038) flow cytometric analysis of MDA-MB435 cells (right histogram) compared to a negative control (Rabbit IgG isotype) (left histogram).FITC-conjugated goat-anti-rabbit secondary.



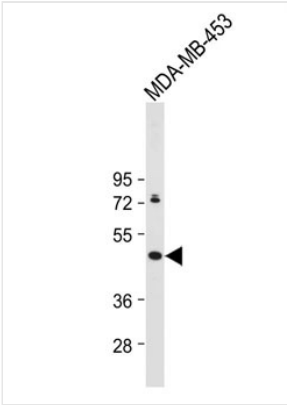
IHC (Immunohistochemistry)
GFRAL antibody (C-term) (AAA286038) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GFRAL antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
GFRAL Antibody (C-term) (AAA286038) western blot analysis in MDA-MB435 cell line lysates (35ug/lane).This demonstrates the GFRAL antibody detected the GFRAL protein (arrow).



WB (Western Blot)
Anti-GFRAL Antibody (C-term) at 1:1000 dilution + Human brain whole cell lysate Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Rabbit IgG, (H+L),



WB (Western Blot)
Anti-GFRAL Antibody (C-term) at 1:1000 dilution + MDA-MB-453 whole cell lysate Lysates/proteins at 20 ug 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.

ADDITIONAL INFORMATION

Product Categories/Family for anti-GFRAL antibody	Cell Biology
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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)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148231468
NCBI GeneID	389400
NCBI Accession #	NP_997293.2
NCBI GenBank Nucleotide #	NM_207410.2
UniProt Accession #	Q6UXV0; Q5VTF6
NCBI Official Full Name	GNDF family receptor alpha-like
NCBI Official Synonym Full Names	GNDF family receptor alpha like
NCBI Official Symbol	GFRAL
NCBI Official Synonym Symbols	GRAL; UNQ9356; C6orf144; bA360D14.1
NCBI Protein Information	GNDF family receptor alpha-like
UniProt Protein Name	GNDF family receptor alpha-like
UniProt Gene Name	GFRAL
UniProt Synonym Gene Names	C6orf144
UniProt Entry Name	GFRAL_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/gfral-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286038>