

Product Name: GDF15 (6F3) Rabbit Monoclonal Antibody
Catalog #: AMRe11381

Summary

Production Name	GDF15 (6F3) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	GDF15
Alternative Names	GDF-15; growth differentiation factor 15; MIC-1; MIC1; NAG-1; PDF; PLAB; PTGFB;
Gene ID	9518.0
SwissProt ID	Q99988.A synthetic peptide of human GDF15

Application

Dilution Ratio	WB: 1:1000
Molecular Weight	34kDa

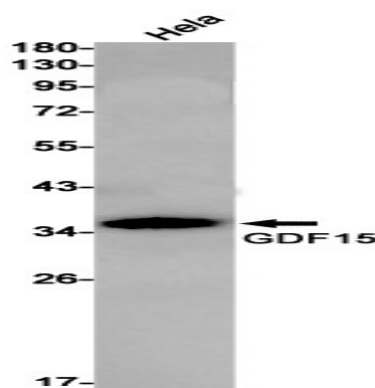
Background

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Highly expressed in placenta, with lower levels in prostate and colon and some expression in kidney. Regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses (PubMed:28953886, PubMed:28846097, PubMed:28846098, PubMed:28846099, PubMed:23468844, PubMed:29046435). Binds to its receptor, GFRAL, and activates GFRAL- expressing neurons localized in the area postrema and nucleus tractus solitarius of the brainstem (PubMed:28953886, PubMed:28846097, PubMed:28846098, PubMed:28846099). It then triggers the activation of neurons localized within the parabrachial nucleus and central amygdala, which constitutes part of the 'emergency circuit' that shapes feeding responses to stressful conditions (PubMed:28953886). On hepatocytes, inhibits growth hormone signaling (By similarity).

Research Area

Image Data



Western blot detection of GDF15 in HeLa cell lysates using GDF15 antibody(1:1000 diluted).

Note

For research use only.