

GDF15 Antibody (aa30-45)
Rabbit Polyclonal Antibody
Catalog # ALS11572**Specification****GDF15 Antibody (aa30-45) - Product Information**

Application	IHC
Primary Accession	Q99988
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34kDa KDa

GDF15 Antibody (aa30-45) - Additional Information**Gene ID** 9518**Other Names**

Growth/differentiation factor 15, GDF-15, Macrophage inhibitory cytokine 1, MIC-1, NSAID-activated gene 1 protein, NAG-1, NSAID-regulated gene 1 protein, NRG-1, Placental TGF-beta, Placental bone morphogenetic protein, Prostate differentiation factor, GDF15, MIC1, PDF, PLAB, PTGFB

Target/Specificity

Amino acids 30 to 45 of human GDF15

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

GDF15 Antibody (aa30-45) is for research use only and not for use in diagnostic or therapeutic procedures.

GDF15 Antibody (aa30-45) - Protein Information**Name** GDF15 ([HGNC:30142](#))**Function**

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:<a

[28846097](http://www.uniprot.org/citations/28846097), PubMed:<[28846098](http://www.uniprot.org/citations/28846098)>, PubMed:<[28846099](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/28953886)>). On hepatocytes, inhibits growth hormone signaling (By similarity).

Cellular Location

Secreted

Tissue Location

Highly expressed in placenta, with lower levels in prostate and colon and some expression in kidney (PubMed:9348093) Detected in plasma (at protein level) (PubMed:28572090, PubMed:29046435).

Volume

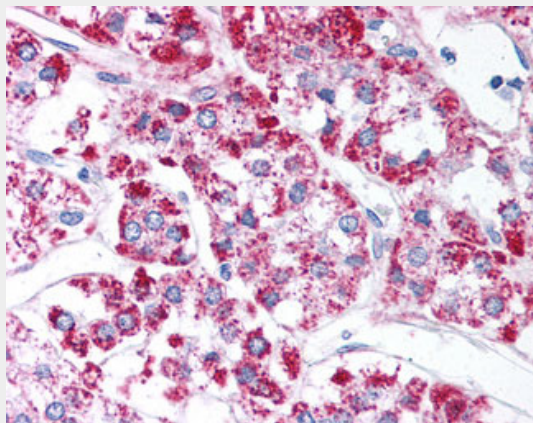
Array

GDF15 Antibody (aa30-45) - Protocols

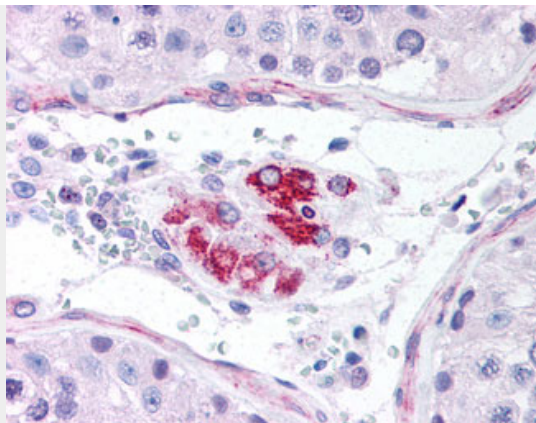
Provided below are standard protocols that you may find useful for product applications.

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

GDF15 Antibody (aa30-45) - Images



Anti-GDF15 antibody IHC of human adrenal.



Anti-GDF15 antibody IHC of human testis.

GDF15 Antibody (aa30-45) - References

- Hromas R.,et al.Biochim. Biophys. Acta 1354:40-44(1997).
Yokoyama-Kobayashi M.,et al.J. Biochem. 122:622-626(1997).
Bootcov M.R.,et al.Proc. Natl. Acad. Sci. U.S.A. 94:11514-11519(1997).
Paralkar V.M.,et al.J. Biol. Chem. 273:13760-13767(1998).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.