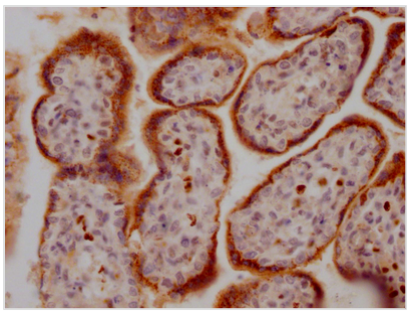
GDF15 Antibody

Product Code	CSB-RA285852A0HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q99988
Immunogen	A synthesized peptide derived from human GDF15
Species Reactivity	Human
Tested Applications	ELISA, IHC; Recommended dilution: IHC:1:50-1:200
Relevance	cytoplasm, extracellular exosome, extracellular region, extracellular space, nucleus, cytokine activity, transforming growth factor beta receptor binding, BMP signaling pathway, cell development, cell-cell signaling
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	Affinity-chromatography
Isotype	Rabbit IgG
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Cardiovascular; Cell biology; Signal transduction
Gene Names	GDF15
Accession NO.	8E5

Image



IHC image of CSB-RA285852A0HU diluted at 1:100 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

GDF15 is a cytokine well known for its anorectic effect on systemic energy metabolism. GDF15 expression and secretion from various organs and tissues are induced in a variety of physiological and pathophysiological states, often linked to mitochondrial stress, resulting in highly variable GDF15 levels in the bloodstream. Because GDF15 can be inducibly produced and secreted in

response to strenuous exercise or acute myocardial infarction, it is classified as a myokine and cardiokine. GDF15 regulates hematopoietic development, energy balance, adipose tissue metabolism, body growth, bone remodeling, and stress response. GDF15 plays a pleiotropic role in obesity, tumorigenesis, metastasis, immunomodulation, and cachexia.

The recombinant GDF15 antibody is a monoclonal antibody molecule expressed by using recombinant DNA and protein engineering technology to clone the genes encoding the GDF15 antibody into a plasma vector and then by transfecting the vector clone into the appropriate recipient mammalian cells for production. It was purified using Affinity-chromatography. And it shows reactivity with GDF15 protein from Human. This recombinant GDF15 antibody can be used in the ELISA, IHC.