

Anti-GDF-15 Antibody (2U747)

Product Details

Ig Type:	hIgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2U747
Purification:	Affinity-chromatography

Applications

Verified Activity:	IHC image of TMAH-00482 diluted at 1: 100 and staining in paraffin-embedded human prostate cancer 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-human polymer IgG labeled by HRP and visualized using 0.05% DAB.
Application:	ELISA, IHC
Recommended	IHC:1:50-1:200.

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GDF15 Protein
Antigen Species:	Human
Gene ID:	9518
Uniprot ID:	Q99988
Synonyms:	PTGF-beta;Placental TGF-beta;PTGF-β;PTGFBPTGF-β;PTGFB;Placental TGF-β;GDF15;PDF;MIC1;RG-1;MIC-1;GDF-15;PLAB;NAG-1;PTGFBPTGF-beta
Biology Area:	Cardiovascular, Cell biology, Signal transduction

Research Background

Regulates food intake, energy expenditure and body weight in response to metabolic and toxin-induced stresses. Binds to its receptor, GFRAL, and activates GFRAL-expressing neurons localized in the area postrema and nucleus tractus solitarius of the brainstem. 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. On hepatocytes, inhibits growth hormone signaling.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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