

## Anti-GDF-15 Antibody (4S576)

## Product Details

Ig Type:	IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4S576
Purification:	Protein G purified

## Applications

Verified Activity:	Immunohistochemistry of paraffin-embedded human adrenal gland using TMAH-00480 in 30µg/ml dilute concentrations.
Application:	ELISA, IHC

## Properties

Purity:	>95%
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: GDF15 Protein
Antigen Species:	Human
Gene ID:	9518
Uniprot ID:	Q99988
Synonyms:	GDF15;PTGFBPTGF-beta;Placental TGF-beta;PLAB;GDF-15;PTGF-β;MIC1;PDF;Placental TGF-β;PTGF-beta;PTGFB;NAG-1;RG-1;MIC-1;PTGFBPTGF-β
Biology Area:	Cell Biology

## 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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