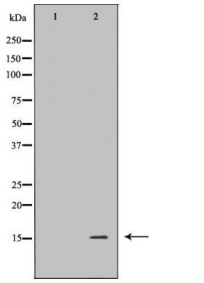
GDF15 Antibody

#24121

Catalog Number: 24121-1, 24121-2
Amount: 50μg/50μl, 100μg/100μl
Swiss-Prot No. :Q99988
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl,0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20℃/1 year
Immunogen: The antiserum was produced against synthesized peptide derived from Human GDF15
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity/Sensitivity: GDF15 antibody detects endogenous levels of total GDF15 protein
Reactivity: Human,Mouse,Rat
Applications:
Predicted MW: 34,15kd WB:1:500~1:2000 IHC1:50:200



Western blot analysis of SW620 cell lysate using GDF15 antibody.

Background :Macrophage inhibitory cytokine-1 (Mic-1), also termed GDF15 , PTGF-β , PLAB , PDF , and NAG-1 , is a divergent member of the transforming growth factor-β (TGF-β) superfamily . Like other family members, Mic-1 is synthesized as an inactive precursor that undergoes proteolytic processing involving removal of an N-terminal hydrophobic signal sequence followed by cleavage at a conserved RXXR site generating an active C-terminal domain that is secreted as a dimeric protein. Mic-1 is highly expressed in the placenta and is also dramatically increased by cellular stress, acute injury, inflammation, and cancer. In the brain, Mic-1 is found in the choroid plexus and is secreted into the cerebrospinal fluid . It is also a transcriptional target of the p53 tumor suppressor protein and may serve as a biomarker for p53 activity . During tumor progression, Mic-1 has various effects on apoptosis, differentiation, angiogenisis, and metastasis, and may also contribute to weight loss during cancer .