

Anti-GDF15 Rabbit pAb



WLR0194

For Research Use Only. Not For Use In Diagnostic Procedures

Product Information

Product name	Anti-GDF15 Rabbit pAb	
Source	Rabbit	
Species reactivity	Human, Mouse, Rat	
Tested applications	WB	1:1000-1:2000
	IHC, IF	1:100-1:500
Cellular localization	Secreted.	
Pack size	50/100/200/500/1000µl	
Storage	Store at -20°C. Avoid freeze/thaw cycles.	
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide	

General Information

Background

Growth differentiation factor 15 (GDF15), also known as macrophage inhibitory cytokine 1 (MIC-1), is an important member of the transforming growth factor beta (TGF-β) superfamily, which precisely regulates inflammation and apoptosis pathways in tissue damage and disease progression. As a stress-induced cytokine, the expression of GDF15 is closely related to hypoxia, inflammation, and oxidative stress, and can be released in large quantities from endothelial cells under the stimulation of pro-inflammatory cytokines. GDF15 plays a significant cardioprotective role in the adult heart and is therefore considered a key therapeutic target and biomarker for cardiovascular disease. GDF15 is highly expressed in the placenta and is an important regulatory factor for human embryonic development, which is crucial for maintaining normal pregnancy. In addition, adipocytes also produce GDF15 in oxidative stress response, which is one of the core pathogenic factors of preeclampsia.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of GDF15.

Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

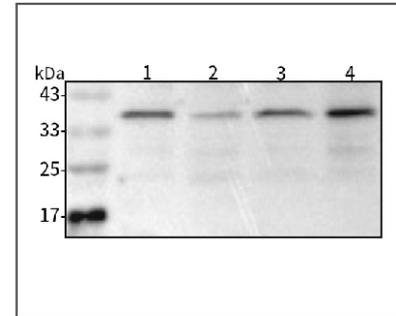
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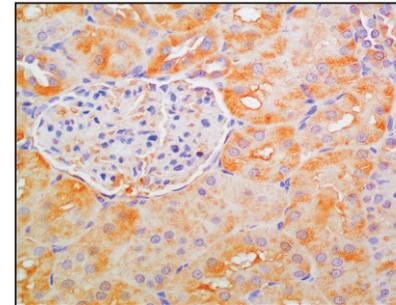
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Product Images



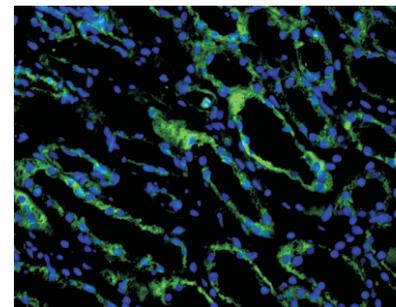
Western blot-Anti-GDF15 pAb

Lane 1: Human HEK293 cell lysate
 Lane 2: Human HCT116 cell lysate
 Lane 3: Human TPC-1 cell lysate
 Lane 4: Human A2780 cell lysate
 All lanes: Anti-GDF15 at 1:2000 dilution
 Lysates/proteins at 20-50 µg per lane.
 Predicted band size: 34 kDa
 Observed band size: 34 kDa



Immunohistochemistry-Anti-GDF15 pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti-GDF15 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti-GDF15 pAb

Immunofluorescence analysis of paraffin-embedded human kidney cancer using anti-GDF15 Rabbit Antibody at 1:200 dilution.
 Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

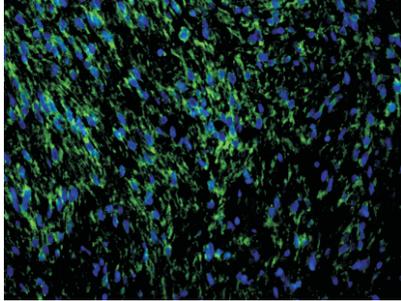


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Immunofluorescence-Anti-GDF15 pAb

Immunofluorescence analysis of paraffin-embedded human pancreas cancer using anti-GDF15 Rabbit Antibody at 1:200 dilution.

Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0