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GDF10 Rabbit pAb

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Catalog # AP58299

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P55107
Reactivity	Rat, Mouse
Predicted	Pig, Human, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53122
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GDF10
Epitope Specificity	371-478/478
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	GDF10, or growth differentiation factor 10, bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. GDF10 is expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

Additional Information

Gene ID	2662
Other Names	Growth/differentiation factor 10, GDF-10, Bone morphogenetic protein 3B, BMP-3B, Bone-inducing protein, BIP, GDF10 (HGNC:4215), BMP3B
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

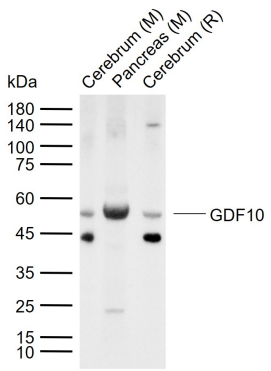
Name	GDF10 (HGNC:4215)

Synonyms	BMP3B
Function	Growth factor involved in osteogenesis and adipogenesis. Plays an inhibitory role in the process of osteoblast differentiation via SMAD2/3 pathway. Plays an inhibitory role in the process of adipogenesis.
Cellular Location	Secreted {ECO:0000250|UniProtKB:P97737}.
Tissue Location	Expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

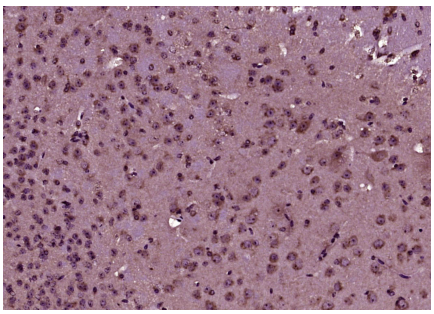
Background

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Images



Sample:
Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Pancreas tissue lysates
Lane 3: Rat Cerebrum tissue lysates
Primary: Anti-GDF10 (AP58299) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 12 kDa
Observed band size: 53 kDa



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GDF10) Polyclonal Antibody, Unconjugated (AP58299) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.