

GDF10 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP58299

Specification

Physical State

GDF10 Polyclonal Antibody - Product Information

Application WB, IHC-P, IHC-F, IF, E

Primary Accession
Reactivity
Rat, Pig
Host
Clonality
Polyclonal
Calculated MW
P55107
Rat, Pig
Rabbit
Polyclonal
12/53 KDa

Immunogen KLH conjugated synthetic peptide derived

Liquid

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.

SIMILARITY Belongs to the TGF-beta family.

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.

GDF10 Polyclonal Antibody - 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

Target/Specificity

Expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

Dilution

WB~~1:1000<br \> IHC-P~~N/A<br \> <span class</pre>



="dilution_IHC-F">IHC-F~~N/A
span class ="dilution_IF">IF~~1:50~200
span class ="dilution_E">E~~N/A

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.

GDF10 Polyclonal Antibody - 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

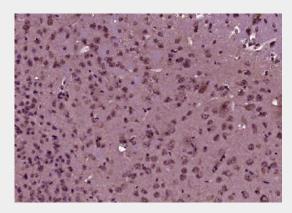
Expressed in femur, brain, lung, skeletal muscle, pancreas and testis.

GDF10 Polyclonal Antibody - Protocols

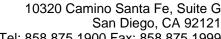
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GDF10 Polyclonal Antibody - Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium





Tel: 858.875.1900 Fax: 858.875.1999

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 (bs-5720R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.