

GDF-6 Polyclonal Antibody

Catalog # AP73836

Specification

GDF-6 Polyclonal Antibody - Product Information

Application Primary Accession Reactivity Host Clonality WB <u>O6KF10</u> Human, Mouse, Rat Rabbit Polyclonal

GDF-6 Polyclonal Antibody - Additional Information

Gene ID 392255

Other Names GDF6; GDF16; Growth/differentiation factor 6; GDF-6; Growth/differentiation factor 16

Dilution WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions -20°C

GDF-6 Polyclonal Antibody - Protein Information

Name GDF6

Synonyms BMP13, GDF16

Function

Growth factor that controls proliferation and cellular differentiation in the retina and bone formation. Plays a key role in regulating apoptosis during retinal development. Establishes dorsalventral positional information in the retina and controls the formation of the retinotectal map (PubMed:23307924). Required for normal formation of bones and joints in the limbs, skull, digits and axial skeleton. Plays a key role in establishing boundaries between skeletal elements during development. Regulation of GDF6 expression seems to be a mechanism for evolving species-specific changes in skeletal structures. Seems to positively regulate differentiation of chondrogenic tissue through the growth factor receptors subunits BMPR1A, BMPR1B, BMPR2 and ACVR2A, leading to the activation of SMAD1- SMAD5-SMAD8 complex. The regulation of chondrogenic differentiation is inhibited by NOG (PubMed:<a href="http://www.uniprot.org/citations/26643732"

target="_blank">26643732). Also involved in the induction of adipogenesis from mesenchymal stem cells. This mechanism acts through the growth factor receptors subunits BMPR1A, BMPR2 and ACVR2A and the activation of SMAD1-SMAD5-SMAD8 complex and



MAPK14/p38 (By similarity).

Cellular Location Secreted.

GDF-6 Polyclonal Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

GDF-6 Polyclonal Antibody - Images











GDF-6 Polyclonal Antibody - Background

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