



GDF-6 Polyclonal Antibody

Catalog No	BYab-16066
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	GDF6
Protein Name	Growth/differentiation factor 6
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human GDF6. AA range:311-360
Specificity	GDF-6 Polyclonal Antibody detects endogenous levels of GDF-6 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GDF6; GDF16; Growth/differentiation factor 6; GDF-6; Growth/differentiation factor 16
Observed Band	50kD
Cell Pathway	Secreted .
Tissue Specificity	Hindbrain,Testis,
Function	disease:A chromosomal aberration involving GDF6 is associated with Klippel-Feil syndrome (KFS) [MIM:118100]. Paracentric inv(8)(q22;q23.3).,disease:Defects in GDF6 are associated with Klippel-Feil syndrome (KFS) [MIM:118100]. Klippel-Feil syndrome is a complex skeletal disorder characterized by congenital fusion of vertebrae within the anterior/cervical spine. Vertebral fusion appears to be caused by a failure in the normal segmentation of vertebrae during the early weeks of fetal development and defective somitogenesis has been postulated as a mitigating factor. However, the etiology of KFS is still unknown and no definitive disease-causing genes have yet been identified. Although most cases are sporadic, both autosomal dominant and autosomal recessive inheritance have

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been reported.,function:Required for normal formation of bones and joints in the limbs, skull, and axial skeleton. Pla

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in this gene are associated with Klippel-Feil syndrome, microphthalmia, and Leber congenital amaurosis. [provided by RefSeq, Sep 2016],

matters needing attention

Avoid repeated freezing and thawing!

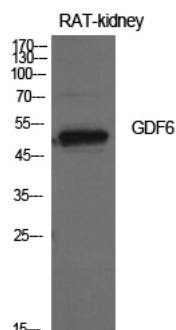
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

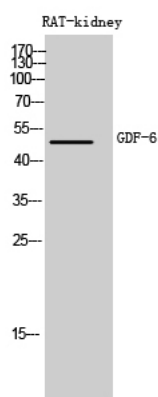
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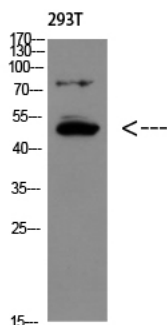
Products Images



Western Blot analysis of rat kidney cells using GDF-6 Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of RAT-kidney cells using GDF-6 Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western Blot analysis of 293T using GDF-6 Polyclonal Antibody diluted at 1:500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

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