



GDF1 Polyclonal Antibody

Catalog No	YP-Ab-07743
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	GDF1
Immunogen	Synthesized peptide derived from part region of human protein AA range: 321-370
Specificity	GDF1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GDF 1;GDF1;Embryonic growth/differentiation factor 1 (GDF-1)
Observed Band	40kD
Calculated Molecular Weight	40kD
Cell Pathway	Secreted.
Tissue Specificity	Expressed in the brain.
Function	function:May be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing mainly one fatty acid donor (N-linked stearyl- (C18) ceramide) in a fumonisin B1-independent manner.,function:May mediate cell differentiation events during embryonic development.,miscellaneous:This protein is produced by a bicistronic gene which also produces the GDF1 protein from a non-overlapping reading frame.,miscellaneous:This protein is produced by a bicistronic gene which also produces the LASS1 protein from a non-overlapping reading frame.,similarity:Belongs to the TGF-beta family.,similarity:Contains 1 TLC (TRAM/LAG1/CLN8) domain.,subcellular location:Isoform 1 may recycle from the Golgi to the endoplasmic reticulum.,subunit:Homodimer; disulfide-linked.,tissue specificity:Expressed in the brain.,



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. Studies in rodents suggest that this protein is involved in the establishment of left-right asymmetry in early embryogenesis and in neural development in later embryogenesis. The encoded protein is translated from a bicistronic mRNA that also encodes ceramide synthase 1. Mutations in this gene are associated with several congenital cardiovascular malformations. [provided by RefSeq, Jul 2016],

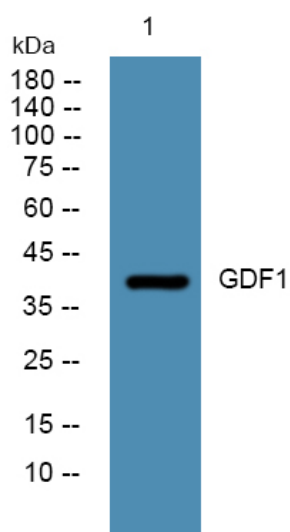
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

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

Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night