

GDF7 Antibody (monoclonal) (M03)

Mouse monoclonal antibody raised against a partial recombinant GDF7. Catalog # AT2186a

Product Information

Application E

Primary Accession
Other Accession
Reactivity
Human
Host
Clonality
Isotype
Q7Z4P5
NM_182828
Human
mouse
Glonality
IgG2a Kappa

Clone Names 1A1 Calculated MW 46950

Additional Information

Gene ID 151449

Other Names Growth/differentiation factor 7, GDF-7, GDF7

Target/Specificity GDF7 (NP_878248, 361 a.a. ~ 450 a.a) partial recombinant protein with GST

tag. MW of the GST tag alone is 26 KDa.

Dilution E~~N/A

Format Clear, colorless solution in phosphate buffered saline, pH 7.2.

Storage Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions GDF7 Antibody (monoclonal) (M03) is for research use only and not for use in

diagnostic or therapeutic procedures.

Background

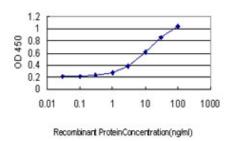
This gene encodes a member of the bone morphogenetic protein (BMP) family. BMPs belong to the transforming growth factor-beta superfamily of secreted signalling molecules that regulate diverse processes in growth, repair and embryonic development. In mouse, this gene functions as an inductive signal from the roof plate required for the specification of neuronal identity in the dorsal spinal cord.

References

An approach based on a genome-wide association study reveals candidate loci for narcolepsy. Shimada M, et al. Hum Genet, 2010 Oct. PMID 20677014.New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. Genes Immun, 2010 Apr. PMID 20237496.Effects of cartilage-derived

morphogenetic protein-3 on the expression of chondrogenic and osteoblastic markers in the pluripotent mesenchymal C3H10T1/2 cell line. Yeh LC, et al. Growth Factors, 2010 Apr. PMID 20102312.Identification of receptors and signaling pathways for orphan bone morphogenetic protein/growth differentiation factor ligands based on genomic analyses. Mazerbourg S, et al. J Biol Chem, 2005 Sep 16. PMID 16049014.A role for BMP heterodimers in roof plate-mediated repulsion of commissural axons. Butler SJ, et al. Neuron, 2003 May 8. PMID 12741987.

Images



Detection limit for recombinant GST tagged GDF7 is approximately 1ng/ml as a capture antibody.

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