

BMP9 Recombinant monoclonal antibody

Catalog Number: 86411-1-RR

Basic Information

Catalog Number: 86411-1-RR	GenBank Accession Number: NM_019506.4	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 12165	CloneNo.: 250512B9
Source: Rabbit	UNIPROT ID: Q9WV56	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: growth differentiation factor 2	
Immunogen Catalog Number: EG2482	Calculated MW: 48 kDa	
	Observed MW: 33 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse liver tissue, rat liver tissue, pig liver tissue, mouse brain tissue, HepG2 cells, L02 cells
Species Specificity: human, mouse, rat, pig	

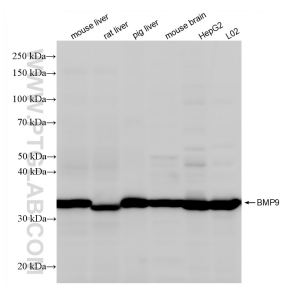
Background Information

Bone morphogenetic protein-9 (BMP9, also termed growth-differentiation factor-2, GDF-2) is a secreted signaling molecule that belongs to the transforming growth factor- β (TGF- β) super-family. First identified in fetal mouse liver cDNA libraries, BMP9 is predominantly produced by hepatic stellate cells and circulates at relatively high concentrations in adult plasma. BMP9 is synthesized as a precursor protein (pre-proBMP9) composed of 429 amino acids (aa) that includes a 22 aa signal peptide, a 297 aa prodomain (33 kDa) and a 110 aa mature protein (12.5 kDa). It is then cleaved by serine endoproteases, leading to a short dimeric mature form of 25 kDa, and the prodomain which can remain noncovalently associated with the mature short form, giving a size of about 100 kDa (PMID:21710321).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86411-1-RR (Gdf2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.