

For Research Use Only

BMP9 Polyclonal antibody

Catalog Number: 33159-1-AP



Basic Information

Catalog Number: 33159-1-AP	GenBank Accession Number: NM_019506.4	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 480 ug/ml by Nanodrop;	GeneID (NCBI): 12165	Recommended Dilutions: WB: 1:1000-1:6000
Source: Rabbit	UNIPROT ID: Q9WV56	
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
Species Specificity: mouse, rat	

Background Information

Bone Morphogenetic Protein 9 (BMP9), also known as Growth Differentiation Factor 2 (GDF-2), is a cytokine belonging to the transforming growth factor- β (TGF- β) superfamily. BMP9 is mainly produced by hepatocytes and hepatic stellate cells in the liver and is secreted into the bloodstream, where it acts as a circulating factor involved in various physiological processes. 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

***** 20ul sizes contain 0.1% BSA**

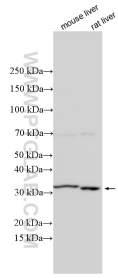
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33159-1-AP (BMP9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.