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Polyclonal Antibody to Growth Differentiation Factor 11 (GDF11)

Growth Differentiation Factor 11
Catalog # AP74690

Product Information

Application	WB
Primary Accession	Q9Z217
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	44921

Additional Information

Gene ID	29454
Other Names	BMP11; Bone morphogenetic protein 11
Target/Specificity	Rattus norvegicus (Rat)
Dilution	WB~~Western blotting: 0.5-2 □g/mL;1:250-1000 Immunohistochemistry: 5-20 □g/mL;1:25-100 Immunocytochemistry: 5-20 □g/mL;1:25-100 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Gdf11
Synonyms	Bmp11
Function	Secreted signal that acts globally to regulate anterior/posterior axial patterning during development. May play critical roles in patterning both mesodermal and neural tissues. It is required for proper vertebral patterning and orofacial development. Signals through activin receptors type-2, ACVR2A and ACVR2B, and activin receptors type-1, ACVR1B, ACVR1C and TGFBR1 leading to the phosphorylation of SMAD2 and SMAD3.
Cellular Location	Secreted.

Images

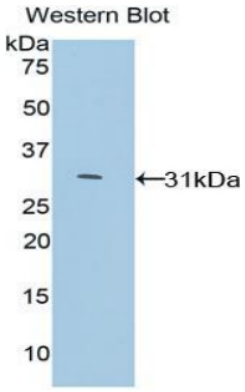


Figure. Western Blot; Sample: Recombinant GDF11, Rat.

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