10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody

Catalog # ABO13733

Specification

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IF, ICC**
Primary Accession	O95390
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-BMP11 GDF11 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF applications. This antibody reacts with Human, Rat.

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody - Additional Information

Gene ID 10220

Other Names
Growth/differentiation factor 11, GDF-11, Bone morphogenetic protein 11, BMP-11, GDF11, BMP11 {ECO:0000303|PubMed:10075854}

Calculated MW
45091 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
ICC/IF 1:50-1:200

Subcellular Localization
Secreted.

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human BMP11

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody - Protein Information

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Name GDF11

Synonyms BMP11 {ECO:0000303|PubMed:10075854}

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 (By similarity). It is required for proper vertebral patterning and orofacial development (PubMed:31215115). 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 (PubMed:28257634).

Cellular Location
Secreted.

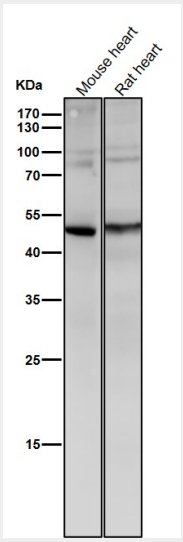
Tissue Location
In the embryo, strong expression is seen in the palatal epithelia, including the medial edge epithelial and midline epithelial seam of the palatal shelves. Less pronounced expression is also seen throughout the palatal shelf and tongue mesenchyme

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody - Images



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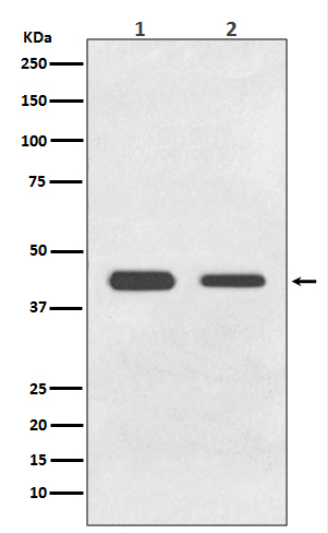
All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of BMP11 expression in (1) HeLa cell lysate; (2) C6 cell lysate.