

Anti-BMP11 GDF11 Rabbit Monoclonal Antibody

Catalog # ABO13733

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.

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
Application Details	WB 1:500-1:2000 IHC 1:50-1:200 ICC/IF 1:50-1:200
Subcellular Localization	Secreted.
Source	Eukaryota
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.
Clone Names	Clone: AOAG-7
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.

Protein Information

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](#)).

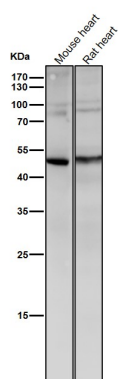
Cellular Location

Secreted.

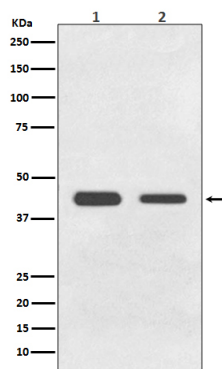
Tissue Location

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

Images



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.

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