

A11315

Leader in Biomolecular Solutions for Life Science



BMP4 Rabbit pAb

Catalog No.: A11315

4 Publications

Basic Information

Observed MW

47kDa/23kDa

Calculated MW

47kDa

Category

Polyclonal Antibody

Applications

WB, IHC-P, IF/ICC, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein regulates heart development and adipogenesis. Mutations in this gene are associated with orofacial cleft and microphthalmia in human patients. The encoded protein may also be involved in the pathology of multiple cardiovascular diseases and human cancers.

Recommended Dilutions

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IHC-P | 1:50 - 1:200 |
| IF/ICC | 1:50 - 1:200 |

Immunogen Information

Gene ID

652

Swiss Prot

P12644

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 250-350 of human BMP4 (NP_001193.2).

Synonyms

ZYME; BMP2B; OFC11; BMP2B1; MCOPS6; BMP4

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

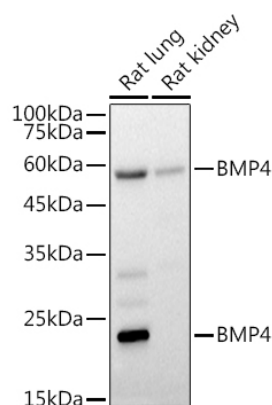
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

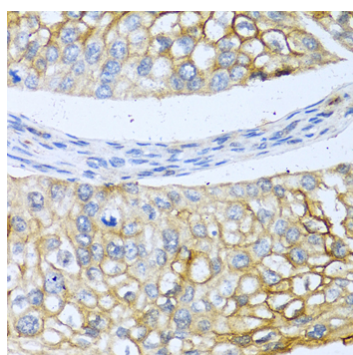
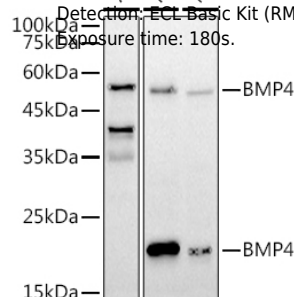
Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data

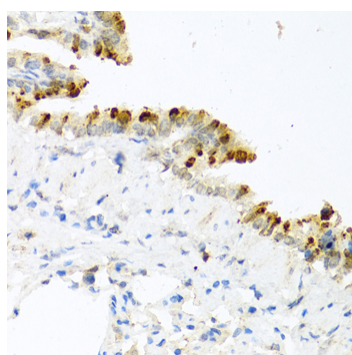


Western blot analysis of extracts of various cell lines, using BMP4 antibody (A11315) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.

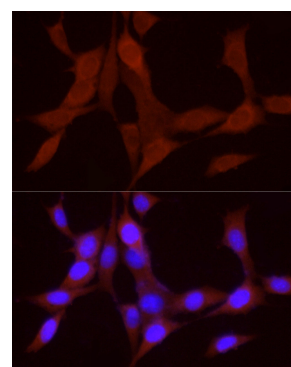
Western blot analysis of extracts of various cell lines, using BMP4 antibody (A11315) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



Immunohistochemistry analysis of paraffin-embedded human prostate cancer using BMP4 antibody (A11315) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

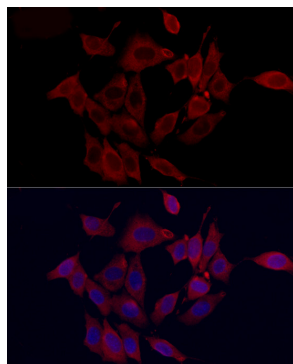


Immunohistochemistry analysis of paraffin-embedded mouse lung using BMP4 antibody (A11315) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.

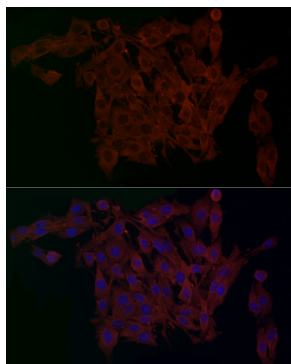


Immunofluorescence analysis of NIH/3T3 cells using BMP4 Rabbit pAb (A11315) at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.

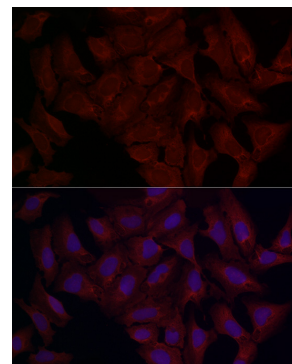
Validation Data



Immunofluorescence analysis of NIH/3T3 cells using BMP4 Rabbit pAb (A11315) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using BMP4 Rabbit pAb (A11315) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using BMP4 Rabbit pAb (A11315) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.