

Bmp10 antibody - N-terminal region
Rabbit Polyclonal Antibody
Catalog # AI12739**Specification**

Bmp10 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	Q4AEG6
Other Accession	NM_001031824 , NP_001026994
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Guinea Pig, Dog
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Horse, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48kDa KDa

Bmp10 antibody - N-terminal region - Additional Information**Gene ID** 500245

Alias Symbol	Bmp10
Other Names	
Bone morphogenetic protein 10, BMP-10, Bmp10 {ECO:0000312 EMBL:BAE16990.1, ECO:0000312 RGD:1562986}	

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-Bmp10 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

Bmp10 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Bmp10 antibody - N-terminal region - Protein Information**Name** Bmp10 {ECO:0000312|EMBL:BAE16990.1, ECO:0000312|RGD:1562986}**Function**

Required for maintaining the proliferative activity of embryonic cardiomyocytes by preventing premature activation of the negative cell cycle regulator CDKN1C/p57KIP and maintaining the required expression levels of cardiogenic factors such as MEF2C and NKX2-5. Acts as a ligand for ACVRL1/ALK1, BMPR1A/ALK3 and BMPR1B/ALK6, leading to activation of SMAD1, SMAD5 and SMAD8 transcription factors. Inhibits endothelial cell migration and growth. May reduce cell migration and cell matrix adhesion in breast cancer cell lines.

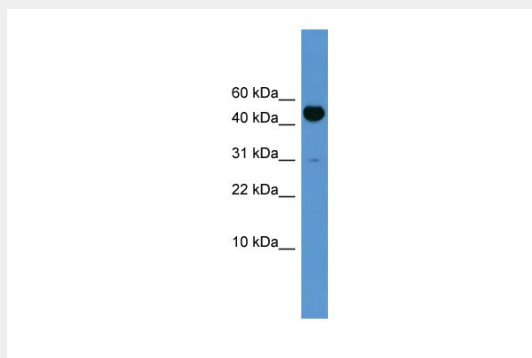
Cellular Location

Secreted {ECO:0000250|UniProtKB:P12643}.

Bmp10 antibody - N-terminal region - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Bmp10 antibody - N-terminal region - Images

WB Suggested Anti-Bmp10 Antibody Titration: 0.2-1 μ g/ml

ELISA Titer: 1:312500

Positive Control: Rat Brain