

# Bmp10 antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12739

## Product Information

|                   |   |
|-------------------|---|
| Application       | WB  |
| Primary Accession | <a href="#">Q4AEG6</a>  |
| Other Accession   | <a href="#">NM_001031824</a> , <a href="#">NP_001026994</a>               |
| Reactivity        | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine |
| Predicted         | Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse, Bovine    |
| Host              | Rabbit  |
| Clonality         | Polyclonal  |
| Calculated MW     | 47767   |

## Additional Information

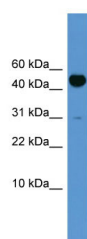
|                          |  |
|--------------------------|--|
| Gene ID                  | 500245   |
| Alias Symbol             | Bmp10  |
| Other Names              | Bone morphogenetic protein 10, BMP-10, Bmp10<br>{ECO:0000312 EMBL:BAE16990.1, ECO:0000312 RGD:1562986}   |
| Format                   | 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.   |

## 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}.  |

## Images

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WB Suggested Anti-Bmp10 Antibody Titration: 0.2-1 µg/ml  
ELISA Titer: 1:312500  
Positive Control: Rat Brain

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