

## Rabbit Bone Morphogenetic Protein 2 Polyclonal Antibody | anti-BMP2 antibody

Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)

| CATALOG # | HOST   | REACTIVITY    | APPLICATIONS                                                   |
|-----------|--------|---------------|----------------------------------------------------------------|
| AAA143599 | Rabbit | Human, Bovine | ELISA, Immunohistochemistry, Immunocytochemistry, Western Blot |

### PRODUCT SYNONYMS

Bone Morphogenetic Protein 2; Polyclonal Antibody; Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2); anti-BMP2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Reactivity                                     | Human, Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Specificity                                    | The antibody is a rabbit polyclonal antibody raised against BMP2. It has been selected for its ability to recognize BMP2 in immunohistochemical staining and western blotting.                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                            | Affinity Chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Form/Format                                    | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Concentration                                  | 500ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                                       | Antigen: The target protein is fused with a C-terminal tag, His-tag and T7-tag and its sequence is listed below.<br>MGSSH HHHHHSSGLV PRGSHMASMT GGQMGGRGSE F-LIPELGRR KFAASAGRSS SQPSDDVLSE<br>FELRLLSMFG LKQRPTPSRD AVVPPYMLDL YRQHSGQPGA PAPDHLERA ASLANTVRSF HHEESLEELP<br>EMSGKTTRRF FFNLTSIPT EFTSAELQV FRKHMPEALE NSSFHHRIN IYEIKPATA NSKFPVTRLL<br>DTRLVTQNAS RWESFDVTPA VMRWTAQGLT NHGFVVEVAH PEDSHGASKR HVRISRSLHQ DEHSWSQIRP<br>LLVTFGHDGK GHPLHRREKR QAKHKQRKRL KSSCKRHPLY VDFSDVGWND WIVAPPGYHA FYCHGECPPF<br>LADHLNSTNH AIVQTLVNSV NSKIPKACCV PTELSAISML YLDENEKVVL KNYQDMVVEG CGCR |
| Sequence Length                                | 395                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Applicable Applications for anti-BMP2 antibody | ELISA, IHC (Immunohistochemistry), ICC (Immunocytochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Fragment                                       | BMP2 (Leu24~Arg395)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Organism Species                               | Bos taurus; Bovine (Cattle)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Cross Reactivity                               | Human, Bovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugate                                      | No Conjugate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen                                      | Recombinant BMP2 (Leu24~Arg395) expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Conjugated Antibody                            | The APC conjugated antibody version of this item is also available as                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                        | Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                    |

IMAGES



**WB (Western Blot)**  
Western Blot: Sample: Recombinant protein.



**WB (Western Blot)**  
Western Blot: Sample: Human Hela cell lysate; Primary Ab: 3ug/ml Rabbit Anti-Bovine BMP2 Antibody Second Ab: 0.2ug/mL HRP-Linked Caprine Anti-Rabbit IgG Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

|                                  |                              |
|----------------------------------|------------------------------|
| NCBI GI #                        | 149642861                    |
| NCBI GeneID                      | 615037                       |
| NCBI Accession #                 | NP_001092611.1               |
| NCBI GenBank Nucleotide #        | NM_001099141.1               |
| UniProt Accession #              | A5PJ19                       |
| Molecular Weight                 | 44,556 Da                    |
| NCBI Official Full Name          | bone morphogenetic protein 2 |
| NCBI Official Synonym Full Names | bone morphogenetic protein 2 |
| NCBI Official Symbol             | BMP2                         |
| NCBI Protein Information         | bone morphogenetic protein 2 |
| UniProt Protein Name             | BMP2 protein                 |
| UniProt Gene Name                | BMP2                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bone-morphogenetic-protein-2-antibody-immunohistochemistry-immunocytochemistry-western-blot-elisa/143599>