

## Rabbit anti-Human BMP4 Polyclonal Antibody | anti-BMP4 antibody

BMP4 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS |
|-----------|--------|------------|--------------|
| AAA290601 | Rabbit | Human      | Western Blot |

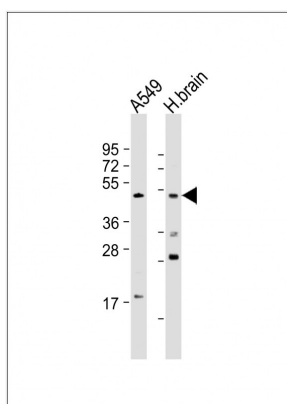
### PRODUCT SYNONYMS

BMP4; Polyclonal Antibody; BMP4 Antibody; Purified Rabbit Polyclonal Antibody (Pab); Bone morphogenetic protein 4; BMP-4; Bone morphogenetic protein 2B; BMP-2B; BMP2B; DVR4; anti-BMP4 antibody

### PRODUCT SPECIFICATIONS

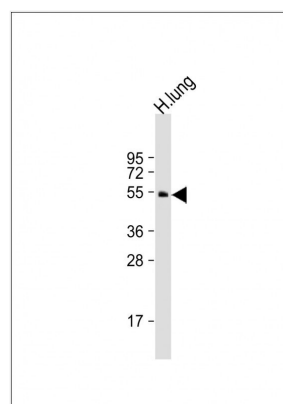
|                                                |                                                                                                                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                   |
| Isotype                                        | Ig                                                                                                                                                                           |
| Specificity                                    | This BMP4 antibody is generated from a rabbit immunized with a recombinant protein of human BMP4.                                                                            |
| Form/Format                                    | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Sequence Length                                | 408                                                                                                                                                                          |
| Applicable Applications for anti-BMP4 antibody | WB (Western Blot)                                                                                                                                                            |
| Antigen Source                                 | Human                                                                                                                                                                        |
| Preparation and Storage                        | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |

### IMAGES



#### WB (Western Blot)

All lanes : Anti-BMP4 Antibody at 1:1000-1:2000 dilution  
Lane 1: A549 whole cell lysate  
Lane 2: human brain lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.



#### WB (Western Blot)

Anti-BMP4 Antibody at 1:2000 dilution + human lung lysate  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution.  
Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-BMP4 antibody | Induces cartilage and bone formation. Also act in mesoderm induction, tooth development, limb formation and fracture repair. Acts in concert with PTHLH/PTHRP to stimulate ductal outgrowth during embryonic mammary development and to inhibit hair follicle induction (By similarity). |
| Product Categories/Family for anti-BMP4 antibody   | Cancer; Cardiovascular; Cell Biology; Developmental Biology; Signal Transduction; Stem Cells                                                                                                                                                                                             |
| References                                         | Wozney J.M.,et al.Science 242:1528-1534(1988). Shore E.M.,et al.Calcif. Tissue Int. 63:221-229(1998). Oida S.,et al.DNA Seq. 5:273-275(1995). Yanagita M.,et al.Biochem. Biophys. Res. Commun. 316:490-500(2004). Felder B.,et al.Eur. J. Hum. Genet. 10:753-756(2002).                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                            |
|----------------------------------|--------------------------------------------|
| NCBI GI #                        | 157276593                                  |
| NCBI GeneID                      | 652                                        |
| NCBI Accession #                 | NP_001193.2                                |
| NCBI GenBank Nucleotide #        | NM_001202.4                                |
| UniProt Accession #              | P12644; Q9UM80                             |
| Molecular Weight                 | 46555                                      |
| NCBI Official Full Name          | bone morphogenetic protein 4 preproprotein |
| NCBI Official Synonym Full Names | bone morphogenetic protein 4               |
| NCBI Official Symbol             | BMP4                                       |
| NCBI Official Synonym Symbols    | ZYME; BMP2B; OFC11; BMP2B1; MCOPS6         |
| NCBI Protein Information         | bone morphogenetic protein 4               |
| UniProt Protein Name             | Bone morphogenetic protein 4               |
| UniProt Gene Name                | <b>BMP4</b>                                |
| UniProt Synonym Gene Names       | BMP2B; DVR4; BMP-4; BMP-2B                 |
| UniProt Entry Name               | BMP4_HUMAN                                 |

**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.