

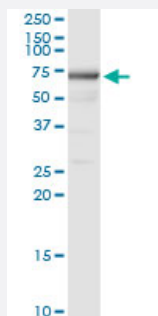
MaxPab®

## BMP5 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000653-D01P

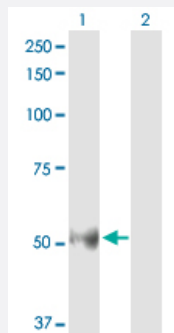
Size 100 ug

### Applications



#### Western Blot (Tissue lysate)

BMP5 MaxPab rabbit polyclonal antibody. Western Blot analysis of BMP5 expression in human liver.



#### Western Blot (Transfected lysate)

Western Blot analysis of BMP5 expression in transfected 293T cell line ([H00000653-T02](#)) by BMP5 MaxPab polyclonal antibody.

Lane 1: BMP5 transfected lysate(51.70 KDa).

Lane 2: Non-transfected lysate.

### Specification

#### Product Description

Rabbit polyclonal antibody raised against a full-length human BMP5 protein.

#### Immunogen

BMP5 (NP\_066551.1, 1 a.a. ~ 454 a.a) full-length human protein.

#### Sequence

MHLTVFLLKGMVGLWSCWVLVGYAKGGLGDNHVSFFIYRRLRNHERREIQREILSILGLPHRPRP  
FSPGKQASSAPLFMLDLYNAMTNEENPEESEYSVRASLAEEETRGAARKGYASPNGYPRRIQLSRT  
TPLTTQSPPLASLHDTNFLNDADMVMSFVNLVERDKDFSHQRRHYKEFRFDLTQIPHGEAVTAAE  
FRIYKDRSNNRFENETIKISYQIIKEYTNRDADLFLLDTRKAQALDVGWLVFDITVTSNHWWINPQNNL  
GLQLCAETGDGRSINVKSAGLVGRQGPQSKQPFMVAFFKASEVLLRSVRAANKRKNQNRNKSS  
SHQDSSRMSSVGDYNTSEQKQACKKHELVSFRDLGWQDWIAPEGYAAFYCDGECFPLNAH  
MNATNHAMQTLVHLMFPDHPKPCCAPTKLNAISVLYFDDSSNVILKKYRNMVVRSCGCH

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Host                    | Rabbit                                                                   |
| Reactivity              | Human                                                                    |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

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## Gene Info — BMP5

|                     |                              |
|---------------------|------------------------------|
| Entrez GeneID       | <a href="#">653</a>          |
| GeneBank Accession# | <a href="#">NM_021073</a>    |
| Protein Accession#  | <a href="#">NP_066551.1</a>  |
| Gene Name           | BMP5                         |
| Gene Alias          | MGC34244                     |
| Gene Description    | bone morphogenetic protein 5 |
| Omim ID             | <a href="#">112265</a>       |
| Gene Ontology       | <a href="#">Hyperlink</a>    |

**Gene Summary**

This gene encodes a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. This protein may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. This gene is differentially regulated during the formation of various tumors. [provided by RefSeq]

**Other Designations**

OTTHUMP00000016650

**Pathway**

- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)
- [TGF-beta signaling pathway](#)

**Disease**

- [Congenital Abnormalities](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Osteoarthritis](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)