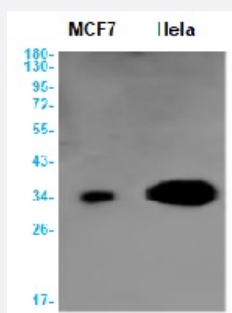


RecomAb™

# BMP2 recombinant monoclonal antibody, clone R03-3H9

Catalog # RAB01554      Size 100 uL

## Applications



### Western Blot

Western blot analysis of BMP2 in MCF-7, HeLa lysates using human BMP2 recombinant monoclonal antibody, clone R03-3H9 (Cat # RAB01554).

## Specification

|                      |                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against human BMP2.                                                                    |
| Antibody Species     | Rabbit                                                                                                                               |
| Immunogen            | Original antibody is raised against recombinant protein corresponding to human BMP2                                                  |
| Theoretical MW (kDa) | Calculated MW: 45 kD                                                                                                                 |
| Reactivity           | Human                                                                                                                                |
| Form                 | Liquid                                                                                                                               |
| Purification         | Affinity purification                                                                                                                |
| Isotype              | IgG                                                                                                                                  |
| Recommend Usage      | Immunofluorescence (1:50-1:200)<br>Western Blot (1:500-1:1000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)                                          |

**Storage Instruction**

Store at 4°C for short term. For long term storage store at -20°C.  
Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western blot analysis of BMP2 in MCF-7, Hela lysates using human BMP2 recombinant monoclonal antibody, clone R03-3H9 (Cat # RAB01554).

- Immunocytochemistry

## Gene Info — BMP2

**Entrez GeneID**[650](#)**Protein Accession#**[P12643](#)**Gene Name**

BMP2

**Gene Alias**

BMP2A

**Gene Description**

bone morphogenetic protein 2

**Omim ID**[112261](#) [235200](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation. [provided by RefSeq]

**Other Designations**

OTTHUMP00000030228

## Pathway

- [Basal cell carcinoma](#)
- [Cytokine-cytokine receptor interaction](#)
- [Hedgehog signaling pathway](#)

- [Pathways in cancer](#)
- [TGF-beta signaling pathway](#)

## Disease

- [Abortion](#)
- [Asthma](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Narcolepsy](#)
- [Obesity](#)
- [Ossification of Posterior Longitudinal Ligament](#)
- [Osteoarthritis](#)
- [Osteoporosis](#)
- [Ovarian Failure](#)
- [Overweight](#)

- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Sudden Infant Death](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)