



Mouse Anti-Human BMP-2 monoclonal antibody, clone NN34 (CABT-ZB747)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Specificity | It reacts with Human BMP-2 |
| Target | BMP2 |
| Immunogen | Recombinant Human BMP-2 Protein |
| Isotype | IgG1 |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Clone | NN34 |
| Purification | Protein A purified |
| Conjugate | Unconjugated |
| Applications | ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB747 - CABT-ZB1063 This antibody will detect BMP-2 in antibody pair set. [ABPR-ZB327] |
| Preparation | This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human BMP-2. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography. |
| Format | Purified, Liquid |
| Concentration | Lot specific |

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| Size | 50 μ L, 100 μ L, 200 μ L, 1 mL |
| Buffer | PBS |
| Preservative | None |
| Storage | This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles. |
| Ship | Wet ice |

BACKGROUND

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| Introduction | BMP-2 protein, like other bone morphogenetic proteins, plays an important role in the development of bone and cartilage. BMP-2 protein is involved in the hedgehog pathway, TGF beta signaling pathway, and cytokine-cytokine receptor interaction. BMP-2 and BMP-7 are osteogenic BMPs that have been demonstrated to potently induce osteoblast differentiation in a variety of cell types. BMP-2, BMP-4 and BMP-7 are known to be of major importance in bone formation and repair. In cancerous tissues BMP-2 protein may play an important role in the progression of glioma. |
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| Keywords | BMP2; bone morphogenetic protein 2; BDA2; BMP2A |
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GENE INFORMATION

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| Synonyms | BMP2; bone morphogenetic protein 2; BDA2; BMP2A; BMP-2A; bone morphogenetic protein 2A |
| Entrez Gene ID | 650 |
| UniProt ID | P12643 |