

PAA013Bo01

Polyclonal Antibody to Bone Morphogenetic Protein 2 (BMP2)

Organism Species: *Bos taurus*; Bovine (Cattle)

Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

[PRODUCT INFORMATION]

Immunogen: BMP2, Bovine

Clonality: Polyclonal

Host: Rabbit

Immunoglobulin Type: IgG

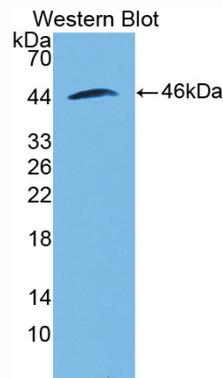
Purification: Affinity Chromatography.

Applications: WB, ICC, IHC-P, IHC-F, ELISA

Concentration: 200µg/mL

UOM: 100µg

9th Edition (Revised in Jul, 2013)



Sample: Recombinant BMP2, Bovine

[IMMUNOGEN INFORMATION]

Immunogen: Recombinant BMP2 (Leu24~Arg395) expressed in *E.coli*.

Accession No.: RPA013Bo01

Sequence: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below.

MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- LIPELGR RKFAASAGRS
SSQPDDVLS EFELRLLSMF GLKQRPTPSR DAVVPPYMLD LYRQHSGQPQ APAPDHRLER
AASLANTVRS FHHEESLEEL PEMSGKTRR FFFNLTSIPT EEFITSaelQ VFRKHMPEAL
ENNSSFHHRI NIYEIIPAT ANSKFPVTRL LDTRLVTQNA SRWESFDVTP AVMRWTAQGL
TNHGFVVEVA HPEDSHGASK RHVRISRSLH QDEHSWSQIR PLLVTFGHDG KGHPLHRREK
RQAKHKQRKR LKSSCKRHPL YVDFSDVGWN DWIVAPPGYH AFYCHGECFP
PLADHLNSTN HAIVQTLVNS VNSKIPKACC VPELSAISM LYLDENEKVV LKNYQDMVVE
GCGCR

[ANTIBODY 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.

[APPLICATIONS]

Western blotting: 1:100-400

Immunocytochemistry in formalin fixed cells: 1:100-500

Immunohistochemistry in formalin fixed frozen section: 1:100-500

Immunohistochemistry in paraffin section: 1:50-200

Enzyme-linked Immunosorbent Assay: 1:100-200

Optimal working dilutions must be determined by end user.

[CONTENTS]

Form & Buffer: Supplied as solution form in PBS, pH7.4, containing 0.02% NaN_3 , 50% glycerol.

[QUALITY CONTROL]

Content: The quality control contains recombinant BMP2 (Leu24~Arg395) disposed in loading buffer.

Usage: 10uL per well when 3,3'-Diaminobenzidine(DAB) as the substrate.

5uL per well when used in enhanced chemiluminescent (ECL).

Note: The quality control is specifically manufactured as the positive control. Not used for other purposes.

Loading Buffer: 100mM Tris(pH8.8), 2% SDS, 200mM NaCl, 50% glycerol, BPB 0.01%, NaN_3 0.02%.

[STORAGE]

Store at 4°C for frequent use. Stored at -20°C to -80°C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.