

## BMP-7 (E173) polyclonal antibody

Catalog: BS3674

Host: Rabbit

Reactivity: Human,Rat,Mouse

### BackGround:

Bone morphogenetic proteins (BMPs) were first identified as molecules that can induce ectopic bone and cartilage formation. BMPs belong to the TGF- $\beta$  superfamily, playing many diverse functions during development. BMPs are synthesized as precursor proteins and then processed by cleavage to release the C-terminal mature BMP. BMPs initiate signaling by binding to a receptor complex containing type I and type II serine/threonine receptor kinases that then phosphorylate Smad (mainly Smad1, 5, and 8), resulting in the translocation of Smad into the nucleus. BMP was also reported to activate MAPK pathways in some systems. BMP7, also known as osteogenic protein-1 (OP-1), is found to be upregulated in some cancer cells, and may play a role in cancer metastasis.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

### Molecular Weight:

~ 52 kDa

### Swiss-Prot:

P18075

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:1000~1:2000

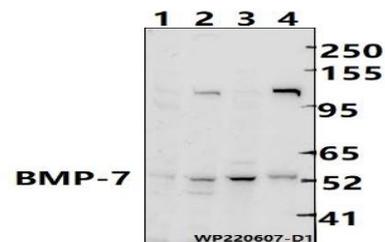
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

BMP-7 (E173) polyclonal antibody detects endogenous levels of BMP-7 protein.

### DATA:



Western blot (WB) analysis of BMP-7 (E173) polyclonal antibody at 1:1000 dilution

Lane1:CT26 whole cell lysate(30ug)

Lane2:PC12 whole cell lysate(30ug)

Lane3:Jurkat whole cell lysate(30ug)

Lane4:HeLa whole cell lysate(30ug)

### Note:

For research use only, not for use in diagnostic procedure.

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