



# BMP-8A Polyclonal Antibody

|                           |                                                                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>         | BYab-15882                                                                                                                                                                                                                                                                                                                                  |
| <b>Isotype</b>            | IgG                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>         | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>       | WB;IHC;IF;ELISA                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>          | BMP8A                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Name</b>       | Bone morphogenetic protein 8A                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>          | The antiserum was produced against synthesized peptide derived from human BMP8A. AA range:253-302                                                                                                                                                                                                                                           |
| <b>Specificity</b>        | BMP-8A Polyclonal Antibody detects endogenous levels of BMP-8A protein.                                                                                                                                                                                                                                                                     |
| <b>Formulation</b>        | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                     |
| <b>Source</b>             | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>       | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                       |
| <b>Dilution</b>           | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.                                                                                                                                                                                |
| <b>Concentration</b>      | 1 mg/ml                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>             | ≥90%                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>  | -20°C/1 year                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>           | BMP8A; Bone morphogenetic protein 8A; BMP-8A                                                                                                                                                                                                                                                                                                |
| <b>Observed Band</b>      | 45-55kD                                                                                                                                                                                                                                                                                                                                     |
| <b>Cell Pathway</b>       | Secreted .                                                                                                                                                                                                                                                                                                                                  |
| <b>Tissue Specificity</b> | Brain,Hippocampus,Thyroid gland,                                                                                                                                                                                                                                                                                                            |
| <b>Function</b>           | function:Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.,online information:Bone morphogenetic protein 8A entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked., |
| <b>Background</b>         | This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is                                |

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proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein may play a role in development of the reproductive system. This gene may have arose from a gene duplication event and its gene duplicate is also present on chromosome 1. [provided by RefSeq, Jul 2016],

**matters needing attention**

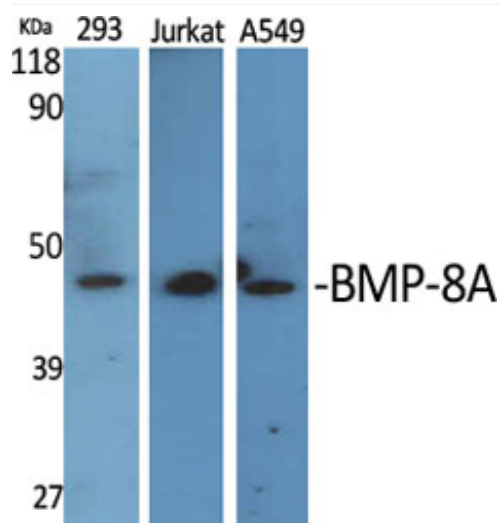
Avoid repeated freezing and thawing!

**Usage suggestions**

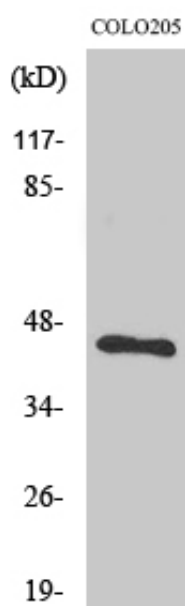
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



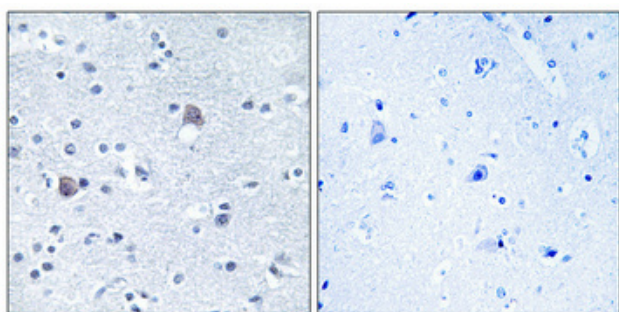
## Products Images



Western Blot analysis of various cells using BMP-8A Polyclonal Antibody



Western Blot analysis of COLO205 cells using BMP-8A Polyclonal Antibody



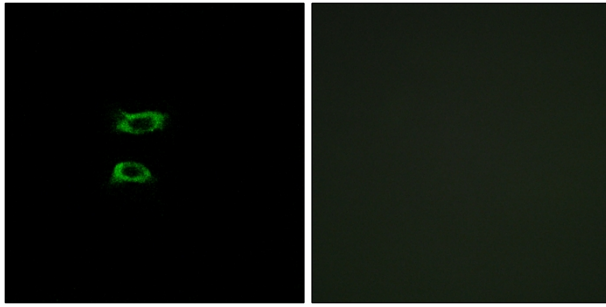
Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

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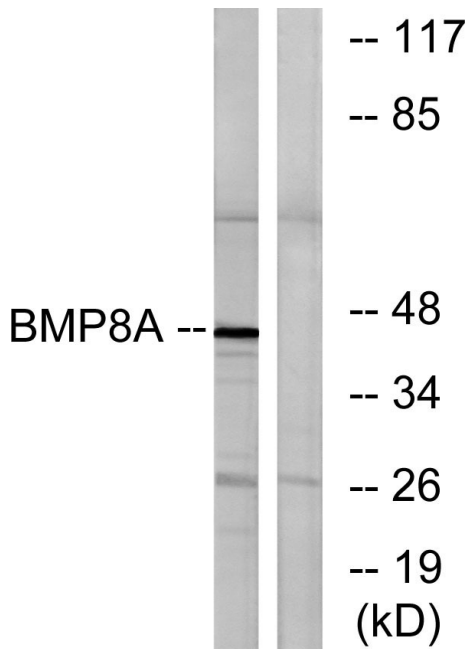
网址: [www.njbybio.com](http://www.njbybio.com)

官方热线: 025-5229-8998

监督电话: 15950492658



Immunofluorescence analysis of A549 cells, using BMP8A Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COLO cells, using BMP8A Antibody. The lane on the right is blocked with the synthesized peptide.