

Datasheet for ABIN6137604
anti-BMP5 antibody (AA 317-454)



[Go to Product page](#)

6 Images

Overview

| | |
|----------------------|---|
| Quantity: | 100 µL |
| Target: | BMP5 |
| Binding Specificity: | AA 317-454 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This BMP5 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

Product Details

| | |
|-------------------|--|
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 317-454 of human BMP5 (NP_066551.1). |
| Sequence: | AANKRKNQNR NKSSSHQDSS RMSSVGDYNT SEKQACKKH ELYVSFRDLG WQDWIIAPEG YAAFYCDGEC SFPLNAHMNA TNHAIVQTLV HLMFPDHVPK PCCAPTCLNA ISVLYFDDSS NVILKKYRNM VVRSCGCH |
| Isotype: | IgG |
| Cross-Reactivity: | Human, Mouse, Rat |
| Characteristics: | Polyclonal Antibodies |
| Purification: | Affinity purification |

Target Details

| | |
|-------------------|---|
| Target: | BMP5 |
| Alternative Name: | BMP5 (BMP5 Products) |
| Background: | <p>This gene encodes a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. The superfamily includes large families of growth and differentiation factors. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric proteins. This protein may act as an important signaling molecule within the trabecular meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. This gene is differentially regulated during the formation of various tumors.,BMP5,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Extracellular Matrix,Collagen,Bone,Growth factor,Wnt/β-Catenin Signaling Pathway,Immunology & Inflammation,Cytokines,NF-κB Signaling Pathway,Stem Cells,Cardiovascular,Angiogenesis,BMP5</p> |
| Molecular Weight: | 47 kDa/51 kDa |
| Gene ID: | 653 |
| UniProt: | P22003 |
| Pathways: | Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process |

Application Details

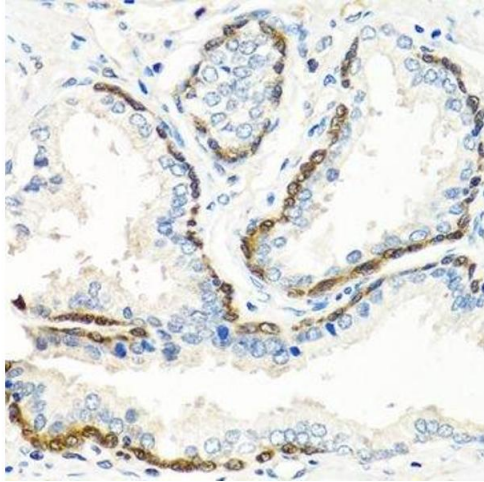
| | |
|--------------------|------------------------------------|
| Application Notes: | WB,1:500 - 1:2000,IHC,1:50 - 1:100 |
| Comment: | HIGH QUALITY |
| Restrictions: | For Research Use only |

Handling

| | |
|--------------------|--|
| Format: | Liquid |
| Buffer: | PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |

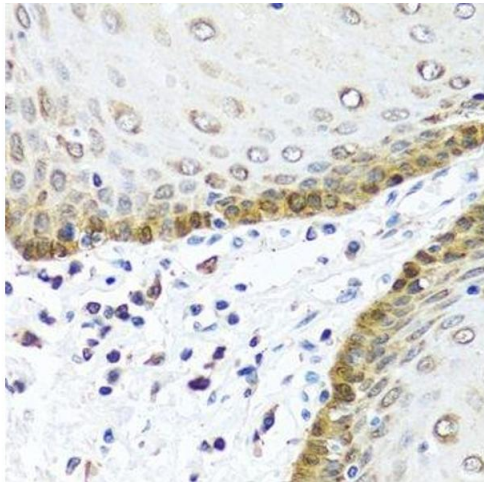
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



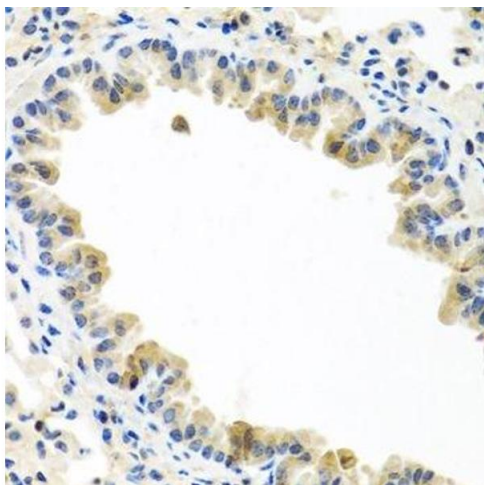
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded human prostate using BMP5 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded human esophagus using BMP5 antibody.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded mouse lung using BMP5 antibody.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN6137604.