

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

6 Images

[Go to Product page](#)

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 PCCAPTKLNA 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

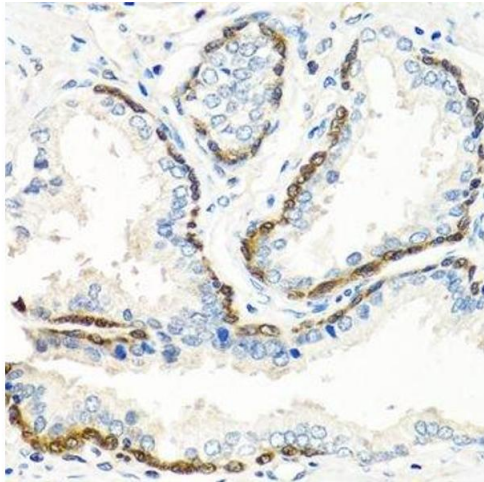
Handling

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

Handling

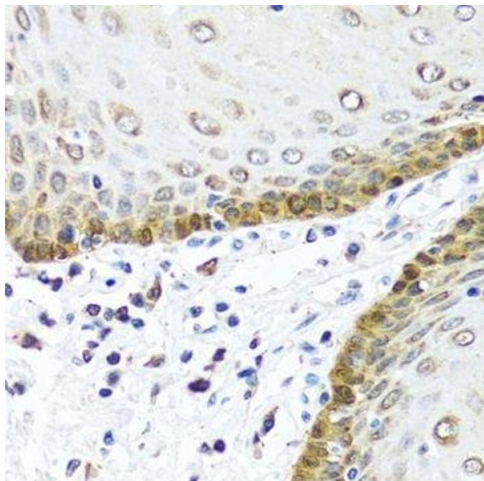
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



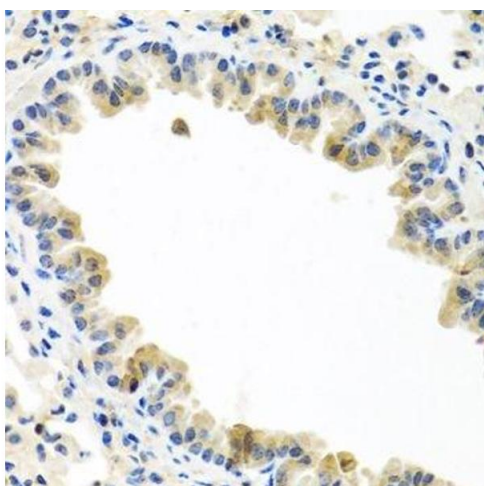
Immunohistochemistry (Paraffin-embedded Sections)

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.