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anti-BMP5 antibody





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Quantity:	100 μg
Target:	BMP5
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	Amino acids HQDSSRMSSVGDYNTSEQKQACKKHELYVSFRDL of human BMP5 were used as the immunogen for the BMP5 antibody.
Isotype:	IgG
Purification:	Antigen affinity

Target Details

Target:	BMP5
Alternative Name:	BMP5 (BMP5 Products)
Background:	Bone morphogenetic protein 5 is a protein that in humans is encoded by the BMP5 gene. 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. And 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.

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UniProt:	P22003

Pathways: Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process

Application Details

Application Notes:	Optimal dilution of the BMP5 antibody should be determined by the researcher.\. Western blot:
	0.1-0.5 μg/mL,IHC (Paraffin): 0.5-1 μg/mL,FACS: 1-3 μg/10^6 cells,ELISA: 0.1-0.5 μg/mL (human
	protein tested)

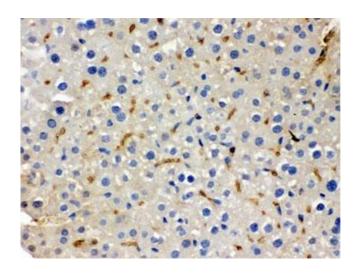
Restrictions: For Research Use only

Handling

Buffer:	0.5 mg/mL if reconstituted with 0.2 mL sterile DI water	
Storage:	-20 °C	

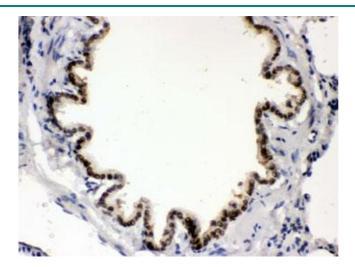
Storage Comment: After reconstitution, the BMP5 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



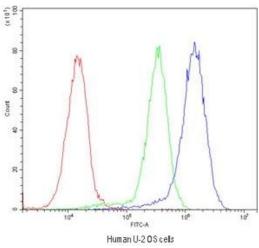
Immunohistochemistry

Image 1. IHC testing of FFPE mouse liver with BMP5 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Immunohistochemistry

Image 2. IHC testing of FFPE rat lung with BMP5 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



Flow Cytometry

Image 3. Flow cytometry testing of human U-2 OS cells with BMP5 antibody at 1ug/10⁶ cells (blocked with goat sera)

Please check the product details page for more images. Overall 4 images are available for ABIN4950346.