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# Datasheet for ABIN5542287 anti-BMP7 antibody (AA 239-431)

6 Images



### Overview

Quantity:	0.1 mg
Target:	BMP7
Binding Specificity:	AA 239-431
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BMP7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

## Product Details

Immunogen:	Purified recombinant fragment of human BMP7 (AA: 239-431) expressed in E. coli.
Clone:	6E5D12
Isotype:	lgG1
Purification:	purified

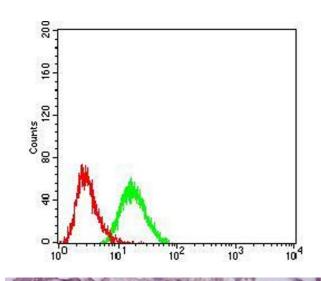
### Target Details

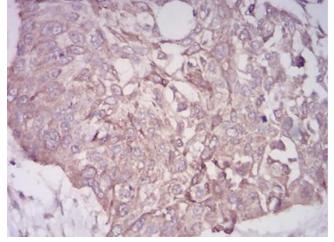
Target:	BMP7
Alternative Name:	BMP7 (BMP7 Products)
Background:	Description: The bone morphogenetic proteins (BMPs) are a family of secreted signaling

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### Target Details

	molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site. Based on its expression early in embryogenesis, the BMP encoded by this gene has a proposed role in early development and possible bone inductive activity. , Aliases: OP-1
Molecular Weight:	49.3 kDa
Gene ID:	655
HGNC:	655
Pathways:	Steroid Hormone Mediated Signaling Pathway, Stem Cell Maintenance
Application Details	
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: , FCM: 1:200 - 1:400
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage



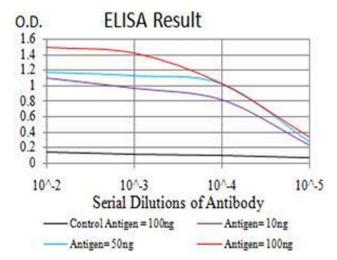


#### **Flow Cytometry**

**Image 1.** Flow cytometric analysis of HEK293 cells using BMP7 mouse mAb (green) and negative control (red).

#### Immunohistochemistry

**Image 2.** Immunohistochemical analysis of paraffinembedded esophageal cancer tissues using BMP7 mouse mAb with DAB staining.



### ELISA

**Image 3.** Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the product details page for more images. Overall 6 images are available for ABIN5542287.

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