

Datasheet for ABIN388453
anti-BMP3 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	400 µL
Target:	BMP3
Binding Specificity:	AA 8-36, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BMP3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This Bmp3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 8-36 amino acids from the N-terminal region of human Bmp3.
Clone:	RB1855-1856
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	BMP3
Alternative Name:	Bmp3 (BMP3 Products)

Target Details

Background: The BMPs belong to the TGF-Beta superfamily. BMPs stimulate the production of bone matrix proteins and thereby alter stromal cell and osteoclast proliferation, a key step in bone marrow development. In addition to promoting ectopic bone and cartilage development, BMPs regulate the growth, differentiation, chemotaxis, proliferation, and apoptosis of various cell types, including mesenchymal cells, epithelial cells, hematopoietic cells, and neuronal cells. BMPs also play a role in dorsal/ventral patterning. BMP3, highly expressed in lung, ovary and small intestine, participates in cartilage and bone formation. BMP3 and BMP2 genes map to conserved regions between human and mouse.

Molecular Weight: 53372

Gene ID: 651

NCBI Accession: [NP_001192](#)

UniProt: [P12645](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000. IHC-P: 1:50~100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

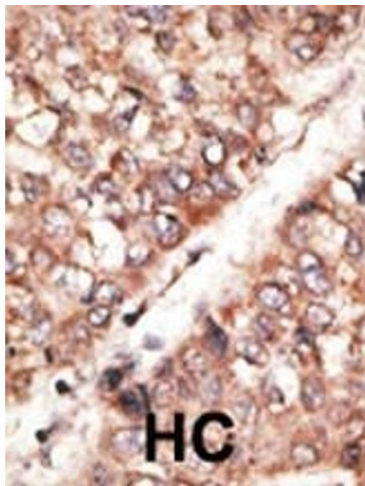
Preservative: Sodium azide

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

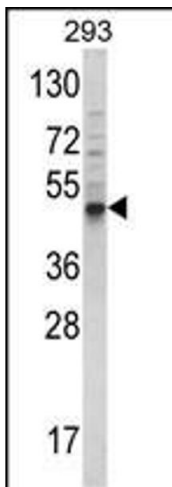
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



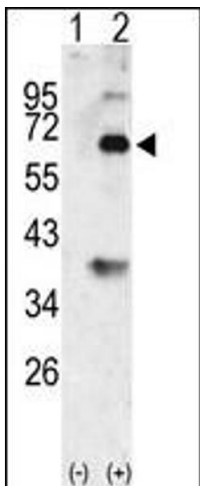
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.



Western Blotting

Image 2. Western blot analysis of hB-E23 (ABIN388453 and ABIN2848793) in 293 cell line lysates (35 µg/lane). B (arrow) was detected using the purified Pab.



Western Blotting

Image 3. Western blot analysis of Bmp3 (arrow) using rabbit polyclonal Bmp3 Antibody (N-term) (ABIN388453 and ABIN2848793). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected with the Bmp3 gene (Lane 2) (Origene Technologies).