

Product datasheet

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ARG42078 anti-BMP1 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes BMP1

Tested Reactivity Hu

Tested Application ICC/IF, WB
Host Rabbit
Clonality Polyclonal

Isotype IgG

Target Name BMP1
Species Human

Immunogen Recombinant protein of Human BMP1.

Conjugation Un-conjugated

Alternate Names Ol13; Procollagen C-proteinase; PCP; PCOLC; PCP2; BMP-1; Bone morphogenetic protein 1; Mammalian

tolloid protein; TLD; EC 3.4.24.19; mTld

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:25
	WB	1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	U-251 MG	
Observed Size	~ 95 kDa	

Properties

Form Liquid

Purification Purification with Protein A and immunogen peptide.

Buffer PBS and 0.09% (W/V) Sodium azide.

Preservative 0.09% (W/V) Sodium azide.

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol BMP1

Gene Full Name bone morphogenetic protein 1

Background This gene encodes a protein that is capable of inducing formation of cartilage in vivo. Although other

bone morphogenetic proteins are members of the TGF-beta superfamily, this gene encodes a protein that is not closely related to other known growth factors. This gene is expressed as alternatively spliced variants that share an N-terminal protease domain but differ in their C-terminal region. [provided by

RefSeq, Aug 2008]

Function Cleaves the C-terminal propeptides of procollagen I, II and III. Induces cartilage and bone formation.

May participate in dorsoventral patterning during early development by cleaving chordin (CHRD).

Responsible for the proteolytic activation of lysyl oxidase LOX. [UniProt]

Calculated Mw 111 kDa

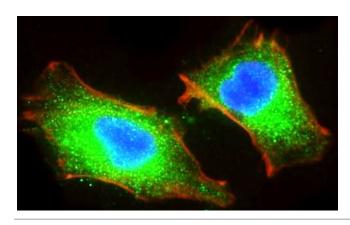
PTM Proteolytically activated in the trans-Golgi network by furin-like/paired basic proprotein convertases,

cleavage is not required for secretion. [UniProt]

Cellular Localization Golgi apparatus, trans-Golgi network. Secreted, extracellular space, extracellular matrix. Note=Co-

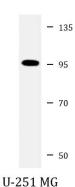
localizes with POSTN in the Golgi. [UniProt]

Images



ARG42078 anti-BMP1 antibody ICC/IF image

Immunofluorescence: 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized A549 cells stained with ARG42078 anti-BMP1 antibody (green) at 1:25 dilution. Dylight® 554 Phalloidin (red) for cytoplasmic actin staining. DAPI (blue) for nuclear staining.



ARG42078 anti-BMP1 antibody WB image

Western blot: 20 μg of U-251 MG whole cell lysate stained with ARG42078 anti-BMP1 antibody at 1:2000 dilution.

2/2