

ARG57624 anti-BMP7 antibody

Package: 25 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BMP7
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BMP7
Species	Human
Immunogen	Synthetic peptide corresponding a region of Human BMP7.
Conjugation	Un-conjugated
Alternate Names	BMP-7; OP-1; Osteogenic protein 1; Eptotermin alfa; Bone morphogenetic protein 7

Application Instructions

Application table	Application	Dilution
	IHC-P	4 - 8 µg/ml
	WB	1 - 5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Transfected 293T cell lysate.	
Observed Size	49 kDa	

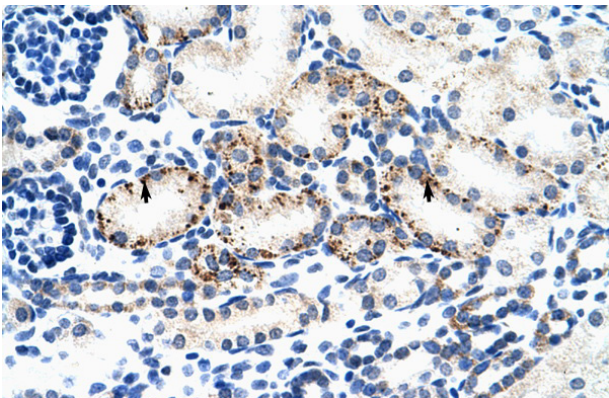
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 2% Sucrose.
Stabilizer	2% Sucrose
Concentration	1 mg/ml
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

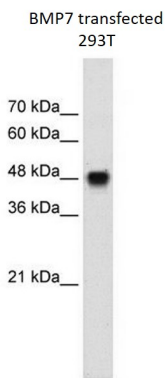
Gene Symbol	BMP7
Gene Full Name	bone morphogenetic protein 7
Background	The bone morphogenetic proteins (BMPs) are a family of secreted signaling molecules that can induce ectopic bone growth. Many BMPs are part of the transforming growth factor-beta (TGFB) superfamily. BMPs were originally identified 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. [provided by RefSeq, Jul 2008]
Function	Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis. [UniProt]
Calculated Mw	49 kDa
PTM	Several N-termini starting at positions 293, 300, 315 and 316 have been identified by direct sequencing resulting in secretion of different mature forms. [UniProt]

Images



ARG57624 anti-BMP7 antibody IHC-P image

Immunohistochemistry: Human kidney tissue stained with ARG57624 anti-BMP7 antibody.



ARG57624 anti-BMP7 antibody WB image

Western blot: BMP7 transfected 293T cell lysate stained with ARG57624 anti-BMP7 antibody at 1.25 µg/ml dilution.