

ARG42660 anti-BMPER / Crossveinless 2 antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BMPER / Crossveinless 2
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Gpig, Hrs, Pig, Rb
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	BMPER / Crossveinless 2
Species	Human
Immunogen	Synthetic peptide around the C-terminal region of Human BMPER / Crossveinless 2. (Within the following region: NGHKRDDLIGGDGNFKFDVDDFAESWRVESNEFCNRPQRKPVPELCQGTV)
Conjugation	Un-conjugated
Alternate Names	hCV2; CV-2; CV2; BMP-binding endothelial regulator protein; Protein crossveinless-2; CRIM3; Bone morphogenetic protein-binding endothelial cell precursor-derived regulator

Application Instructions

Predict Reactivity Note	Predicted Homology Based on Immunogen Sequence: Cow: 93%; Dog: 100%; Guinea pig: 93%; Horse: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Yeast: 85%; Zebrafish: 79%						
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>IHC-P</td><td>5 µg/ml</td></tr> <tr> <td>WB</td><td>1 µg/ml</td></tr> </table>	Application	Dilution	IHC-P	5 µg/ml	WB	1 µg/ml
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IHC-P	5 µg/ml						
WB	1 µg/ml						
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.						
Positive Control	Human fetal heart						

Properties

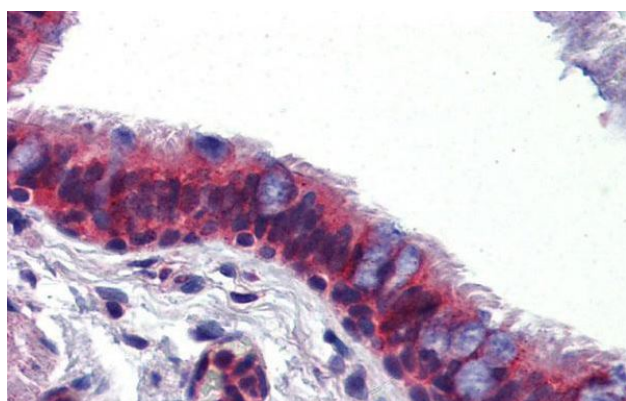
Form	Liquid
Purification	Affinity purified.
Buffer	PBS, 0.09% (w/v) Sodium azide and 2% Sucrose.
Preservative	0.09% (w/v) Sodium azide
Stabilizer	2% Sucrose
Concentration	Batch dependent: 0.5 - 1 mg/ml

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

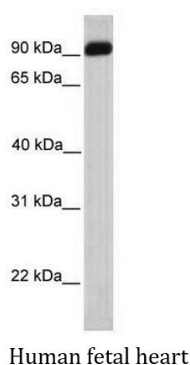
Gene Symbol	BMPER
Gene Full Name	BMP binding endothelial regulator
Background	This gene encodes a secreted protein that interacts with, and inhibits bone morphogenetic protein (BMP) function. It has been shown to inhibit BMP2- and BMP4-dependent osteoblast differentiation and BMP-dependent differentiation of the chondrogenic cells. Mutations in this gene are associated with a lethal skeletal disorder, diaphanospondylodysostosis. [provided by RefSeq, Dec 2011]
Function	Inhibitor of bone morphogenetic protein (BMP) function, it may regulate BMP responsiveness of osteoblasts and chondrocytes. [UniProt]
Calculated Mw	76 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG42660 anti-BMPER / Crossveinless 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung (respiratory epithelium tissue) stained with ARG42660 anti-BMPER / Crossveinless 2 antibody at 5 µg/ml dilution.



ARG42660 anti-BMPER / Crossveinless 2 antibody WB image

Western blot: Human fetal heart lysate stained with ARG42660 anti-BMPER / Crossveinless 2 antibody at 1 µg/ml dilution.