

Datasheet: VPA00302

Description:	RABBIT ANTI BMP-4
Specificity:	BMP-4
Format:	Purified
Product Type:	PrecisionAb Polyclonal
Isotype:	Polyclonal IgG
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - liquid
Preparation	Rabbit polyclonal antibody purified by affinity chromatography.
Buffer Solution	Phosphate buffered saline.
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 2% Sucrose
Immunogen	Synthetic peptide corresponding to the C-terminal region of human BMP-4

External Database Links

UniProt:

[P12644](#) [Related reagents](#)

Entrez Gene:

[652](#) BMP4 [Related reagents](#)

Synonyms	BMP2B, DVR4
Specificity	<p>Rabbit anti Human BMP-4 antibody recognizes bone morphogenetic protein 4 (BMP-4) also known as bone morphogenetic protein 2B (BMP-2B).</p> <p>BMP-4 is a member of the bone morphogenetic protein family which is part of the transforming growth factor-beta superfamily. Bone morphogenetic proteins were originally identified by an ability of demineralized bone extract to induce endochondral osteogenesis in vivo at an extraskeletal site. This particular family member plays an important role in the onset of endochondral bone formation in humans, and a reduction in expression has been associated with a variety of bone diseases, including the heritable disorder Fibrodysplasia Ossificans Progressiva. Alternative splicing in the 5' untranslated region of the BMP-4 gene sequence has been described and three variants reported, all encoding an identical protein (provided by RefSeq, Jul 2008).</p> <p>Rabbit anti Human BMP-4 antibody detects a band of 47 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
Western Blotting	Anti BMP-4 detects a band of approximately 47 kDa in A549 cell lysate.
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	<p>Material Safety Datasheet documentation #10045 available at: https://www.bio-rad-antibodies.com/SDS/VPA00302</p> <p>Antibody (10045)</p>
Regulatory	For research purposes only.

Related Products

Recommended Secondary Antibodies

Goat Anti Rabbit IgG (H/L) (STAR208...) [HRP](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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