BMP4 Polyclonal ANTIBODY

Catalog Number: 12492-1-AP

Basic Information

Catalog Number: 12492-1-AP
Size: 150µL, Concentration: 133 µg/ml by Bradford method using BSA as the standard;
Source: Rabbit
Isotype: IgG
Immunogen Catalog Number: AG3191

GenBank Accession Number: BC020546
GeneID (NCBI): 652
Full Name: bone morphogenetic protein 4
Calculated MW: 47 kDa
Observed MW: 50 kDa

Purification Method: Antigen affinity purification
Recommended Dilutions:
WB: 1:200-1:1000
IHC: 1:20-1:200

Applications

Tested Applications:
IHC, WB, EUSA
Cited Applications:
IHC, WB
Species Specificity:
human, mouse, rat
Cited Species:
goat, human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; [*] Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

BMP4, also named as BMP2B and DVR4, belongs to the TGF-beta family. BMPs have been shown to promote astroglial differentiation both in vitro and in vivo. BMP4 have been shown to be components of serum and are thought to be responsible for this differentiation. BMP4 are expressed mainly in neurons, with minimal expression detected in astrocytes and oligodendrocytes.

Notable Publications

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<th>Author</th>
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<tr>
<td>Jianglan Zhang</td>
<td>31730904</td>
<td>Cancer Lett</td>
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<td>Kaile Zhang</td>
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<td>Jian Sun</td>
<td>28009989</td>
<td>Oncotarget</td>
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Storage

Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Various lysates were subjected to SDS PAGE followed by western blot with 12492-1-AP (BMP4 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.

Immunohistochemical analysis of paraffin-embedded human lung using 12492-1-AP (BMP4 antibody) at dilution of 1:50 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human lung using 12492-1-AP (BMP4 antibody) at dilution of 1:50 (under 40x lens).