

## Anti-BMP-3A Antibody

Catalog Number: A04449-1

### About BMP3

Thymidylate synthase catalyzes the methylation of deoxyuridylate to deoxythymidylate using 5,10-methylenetetrahydrofolate (methylene-THF) as a cofactor. This function maintains the dTMP (thymidine-5-prime monophosphate) pool critical for DNA replication and repair. The enzyme has been of interest as a target for cancer chemotherapeutic agents. It is considered to be the primary site of action for 5-fluorouracil, 5-fluoro-2-prime-deoxyuridine, and some folate analogs. Expression of this gene and that of a naturally occurring antisense transcript rTS alpha vary inversely when cell-growth progresses from late-log to plateau phase. Diseases associated with Thymidylate synthase include Rectal Neoplasm and Dihydropyrimidine Dehydrogenase Deficiency. Anti-Thymidylate synthase is useful for researchers interested in Circadian Rhythm, Metabolism and cell cycle research.

### Overview

Product Name	Anti-BMP-3A Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-BMP-3A Antibody catalog # A04449-1. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal 3F8
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P12645

### Technical Details

Immunogen	Synthesized peptide derived from the C-terminal region of human BMP-3A.
Predicted Reactive Species	Bovine, Canine, Equine, Goat, Guinea Pig, Pig, Rabbit, Sheep
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL.
Purification	Immunogen affinity purified

**Suggested Dilutions**

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

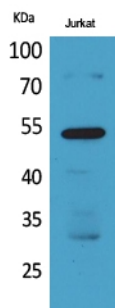
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

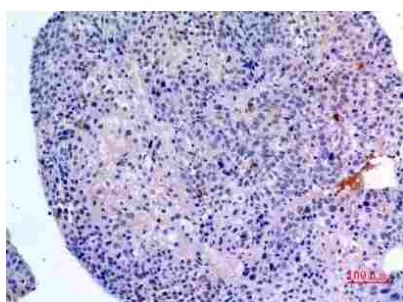
WB, 1:500-1:2000

IHC-P, 1:100-1:300

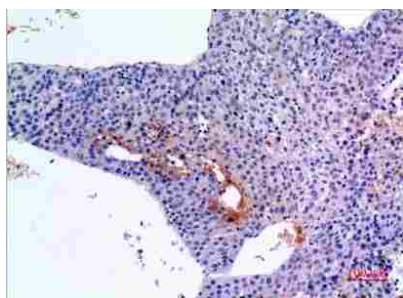
## Anti-BMP-3A Antibody (A04449-1) Images



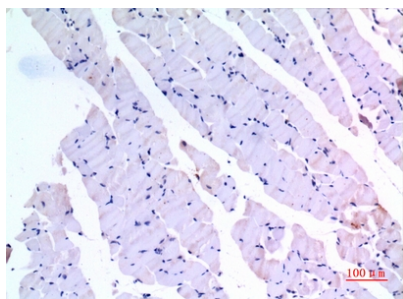
Western Blot (WB) analysis of Jurkat cells using BMP-3A Polyclonal antibody.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Liver Cancer, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Human Liver Cancer, antibody was diluted at 1:100.



Immunohistochemistry (IHC) analysis of paraffin-embedded Mouse Muscle, antibody was diluted at 1:100.

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