

## Anti-MARK2 Antibody

Catalog Number: A02117-1

### About MARK2

Chromatin reader that specifically recognizes and binds histone H3.3 trimethylated at 'Lys-36' (H3.3K36me3) and regulates RNA polymerase II elongation. Does not bind other histone H3 subtypes (H3.1 or H3.2) By similarity. Colocalizes with highly expressed genes and functions as a transcription corepressor by modulating RNA polymerase II at the elongation stage. Acts as a tumor-suppressor by repressing a transcriptional program essential for tumor cell growth.

Hateboer G., EMBO J. 14:3159-3169(1995).

Deloukas P., Nature 429:375-381(2004).

Matsuoka S., Science 316:1160-1166(2007).

### Overview

Product Name	Anti-MARK2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MARK2 Antibody catalog # A02117-1. Tested in WB,IHC,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat.
Application	Flow Cytometry, IHC, WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
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	Q7KZI7

### Technical Details

Immunogen	Synthesized peptide derived from human WAVE1 around the phosphorylation site of Y125.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	ProA 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: 1:500-1:2,000

IHC: 1:50-1:200

FC: 1:50-1:100

## Anti-MARK2 Antibody (A02117-1) Images

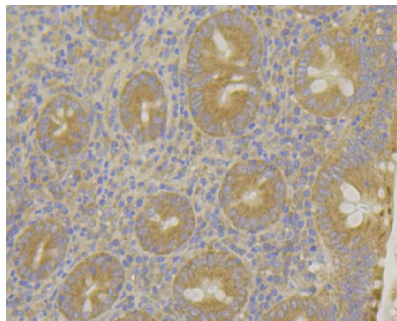


Figure 2. Immunohistochemistry validation of MARK2 using Anti-MARK2 Antibody (A02117-1).

Immunohistochemical analysis of paraffin-embedded human appendix tissue using anti-MARK2 antibody. Counter stained with hematoxylin.

For more protocol information of IHC

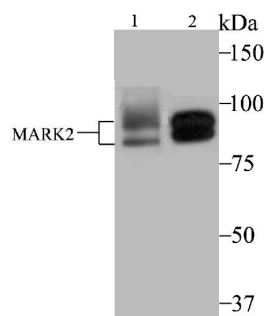


Figure 1. Western blotting validation for Anti-MARK2 Antibody A02117-1

Western blot analysis of MARK2 on MCF-7 (1) and SK-Br-3 (2) cell lysate using anti-MARK2 antibody at 1/2

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