

Anti-MARK3 Antibody

Catalog Number: A05355-1

About MARK3

Involved in the specific phosphorylation of microtubule-associated proteins for tau, MAP2 and MAP4. Phosphorylates CDC25C on 'Ser-216'. Regulates localization and activity of some histone deacetylases by mediating phosphorylation of HDAC7, promoting subsequent interaction between HDAC7 and 14-3-3 and export from the nucleus.

Peng C.Y., Cell Growth Differ. 9:197-208(1998).

Sun T.-Q., Nat. Cell Biol. 3:628-636(2001).

Wissing J., Mol. Cell. Proteomics 6:537-547(2007)

Overview

Product Name	Anti-MARK3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MARK3 Antibody catalog # A05355-1. Tested in WB,IP,ICC/IF,IHC,Flow Cytometry applications. This antibody reacts with Human,Mouse,Rat.
Application	Flow Cytometry, IP, IF, IHC, ICC, 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	P27448

Technical Details

Immunogen	Synthesized peptide derived from N-terminal of human MARK3.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml
Purification	Protein A 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

IP: 1:10-1:50

ICC: 1:50-1:200

IHC: 1:50-1:200

FC: 1:50-1:100

Anti-MARK3 Antibody (A05355-1) Images

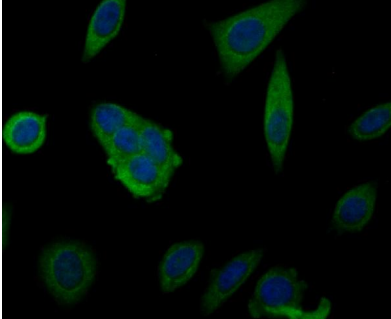


Figure 2. Immunocytochemistry staining of MARK3 using Anti-MARK3 Antibody (A05355-1).

Immunocytochemistry staining MARK3 in MCF-7 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with MARK3 monoclonal antibody at a dilution of 1:100 for 1 hour at room temperature

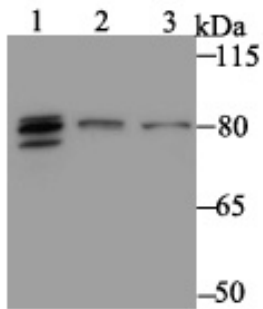


Figure 1. Western blotting validation for Anti-MARK3 Antibody A05355-1

Western blot analysis of MARK3 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody was used at a 1:500 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG -HRP Secondary Antibody (HA1001) at 1:5

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