bsm-54447R **[Primary Antibody]**

MARK2 Recombinant Rabbit mAb

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DATASHEET

Host: Rabbit
Isotype: IgG
Clonality: Recombinant
CloneNo.: 1F10
GeneID: 2011
SWISS: Q7KZI7
Target: MARK2
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background: This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associating proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009].

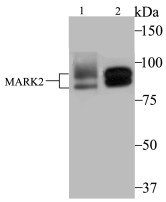
Applications: **WB** (1:500-1000)
IHC-P (1:50-200)
IHC-F (1:400-800)
IF (1:100-500)
Flow-Cyt (1:100)

Reactivity: Human, Mouse, Rat

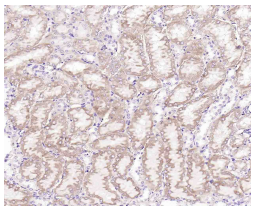
Predicted MW.: 88 kDa

Subcellular Location: Cell membrane ,Cytoplasm

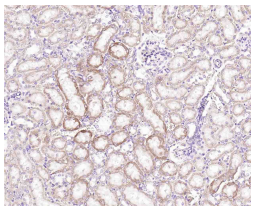
VALIDATION IMAGES



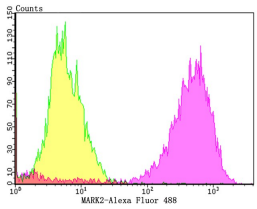
Sample: Lane 1: MCF-7 cell lysate Lane 2: SK-Br-3 cell lysate Primary: Anti-MARK2 (bsm-54447R) at 1:2000 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 88 kD Observed band size: 77/88 kD



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (Ph6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (GEF H1) Monoclonal Antibody, Unconjugated (bsm-54447R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (Ph6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (GEF H1) Monoclonal Antibody, Unconjugated (bsm-54447R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Blank control:MCF-7. Primary Antibody (green line): Rabbit Anti-MARK2 antibody (bms-54447R) Dilution: 1:100; Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1:1000. Protocol The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of

20,000 events was performed.