bs-7896R

[Primary Antibody]

Bioss

MNAT1 Rabbit pAb

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- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 4331 **SWISS:** P51948

Target: MNAT1

Immunogen: KLH conjugated synthetic peptide derived from human MNAT1:

51-150/309.

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: MNAT1 (or 'menage a trois-1') is a subunit of the CAK complex

which is a multisubunit protein that includes CDK7, cyclin H, as well as MNAT1. CAK (CDK-activating kinase) phosphorylates and thus activates CDKS (Cyclin-dependent kinases) which play an

essential role in cell cycle control of eukaryotic cells.

Applications: WB (1:500-2000)

IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (2ug/Test)

Reactivity: Mouse, Rat

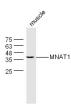
(predicted: Human, Rabbit, Pig, Sheep, Cow, Chicken,

Dog, Horse)

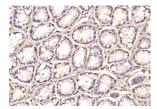
Predicted MW.: 36 kDa

Subcellular Location: Nucleus

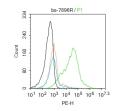
VALIDATION IMAGES



Sample: Muscle (Mouse) Lysate at 40 ug Primary: Anti-MNAT1 (bs-7896R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 36 kD



Paraformaldehyde-fixed, paraffin embedded (rat colon); 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; Antibody incubation with (MNAT1) Polyclonal Antibody, Unconjugated (bs-7896R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Mouse kidney. Primary Antibody (green line): Rabbit Anti-MNAT1 antibody (bs-7896R) Dilution: 2µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-APC Dilution: $1\mu g$ /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at-20°C. 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.