

Anti-MNAT1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 36 kDa. Actual: 36 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Muscle (Mouse) Lysate at 40 µg Primary: Anti-MNAT1 (TMAB-08884) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 36 kD Observed band size: 36 kD
	2. Blank control: Mouse kidney. Primary Antibody (green line): Rabbit Anti-MNAT1 antibody (TMAB-08884) Dilution: 2 µg /10 ⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-APC Dilution: 1 µg /test.
	Protocol The cells were fixed with 4% PFA (10 min 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.
Application:	3. Paraformaldehyde-fixed, paraffin embedded (rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MNAT1) Polyclonal Antibody, Unconjugated (TMAB-08884) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Recommended	WB,IHC-P,IHC-Fr,IF,FCM
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500; FCM: 2µg/Test

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MNAT1

Antigen Species: Human

Gene ID: 4331

Uniprot ID: P51948

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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