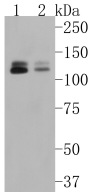
www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

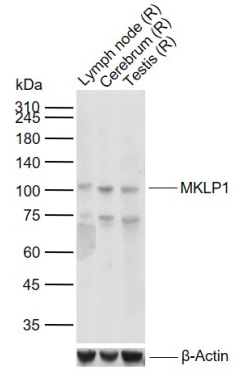
MKLP1 Recombinant Rabbit mAb

Catalog Number:	bsm-52401R
Target Protein:	MKLP1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Recombinant
Clone No.:	7C9
Isotype:	IgG
Applications:	WB (1:500-1000), Flow-Cyt (2ug/Test), ICC/IF (1:50)
Reactivity:	Human, Rat (predicted:Mouse)
Predicted MW:	110 kDa
Entrez Gene:	9493
Swiss Prot:	Q02241
Purification:	affinity purified by Protein A
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:	The protein encoded by this gene is a member of kinesin-like protein family. This family includes microtubule-dependent molecular motors that transport organelles within cells and move chromosomes during cell division. This protein has been shown to cross-bridge antiparallel microtubules and drive microtubule movement in vitro. Alternate splicing of this gene results in two transcript variants encoding two different isoforms.

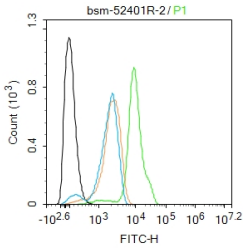
VALIDATION IMAGES



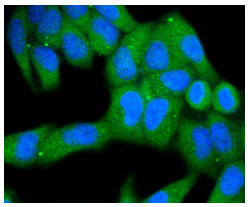
Sample: Lane 1: 293 cell lysate Lane 2: A549 cell lysate Primary: Anti-MKLP1 (bsm-52401R) at 1:500 dilution Secondary: Goat Anti-Rabbit IgG - HRP at 1:5000 dilution Predicted band size: 110 kD Observed band size: 110 kD



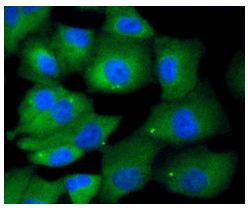
Sample: Lane 1: Rat Lymph node tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Rat Testis tissue lysates Primary: Anti-MKLP1 (bsm-52401R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kDa Observed band size: 100 kDa



Blank control:A549. Primary Antibody (green line): Rabbit Anti-MKLP1 antibody (bsm-52401R) Dilution: 2ul/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/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 room temperature.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.



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (MKLP1) Monoclonal Antibody, Unconjugated (bsm-52401R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.



A549 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum) at 37°C for 20 min; Antibody incubation with (MKLP1) Monoclonal Antibody, Unconjugated (bsm-52401R) 1:50, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue) was used to stain the cell nuclei.

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.417] Kari L. Price. et al. Evolutionarily conserved midbody remodeling precedes ring canal formation during gametogenesis. DEV CELL. 2023 Mar 09 ICC ; Mouse . 36898376