

## Anti-MKLP1 Antibody (5H702)

### Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 110 kDa.
Clone:	5H702
Purification:	Protein A purified

### Applications

Verified Activity:	1. Blank control: A549. Primary Antibody (green line): Rabbit Anti-MKLP1 antibody (TMAB-08841) Dilution: 2ul/Test; Secondary Antibody: Goat anti-rabbit IgG-FITC Dilution: 0.5 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 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.
	2. Sample: Lane 1: Rat Lymph node tissue lysates Lane 2: Rat Cerebrum tissue lysates Lane 3: Rat Testis tissue lysates Primary: Anti-MKLP1 (TMAB-08841) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kDa Observed band size: 100 kDa
Application:	WB
Recommended	WB=1:500-1000

### 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 MKLP1  
Antigen Species: Human  
Gene ID: 9493  
Uniprot ID: Q02241

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### Research 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.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481