Rabbit MKLP1 Monoclonal Antibody | anti-MKLP1 antibody

MKLP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312197	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, Western Blot**

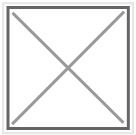
PRODUCT SYNONYMS

MKLP1; Monoclonal Antibody; MKLP1 Antibody; CHO 1 antibody; CHO1 antibody; KIF 23 antibody; KIF23 antibody; KIF23_HUMAN antibody; Kinesin family member 23 antibody; Kinesin like 5 antibody; Kinesin like protein 5 antibody; Kinesin like protein KIF 23 antibody; Kinesin like protein KIF23 antibody; Kinesin-like protein 5 antibody; Kinesin-like protein KIF23 antibody; KNS L5 antibody; KNSL 5 antibody; KNSL5 antibody; Mitotic kinesin like 1 antibody; Mitotic kinesin like protein 1 antibody; Mitotic kinesin-like protein 1 antibody; MKLP 1 antibody; anti-MKLP1 antibody

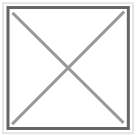
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SY02-74
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-MKLP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



ICC (Immunocytochemistry)
ICC staining MKLP1 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)
ICC staining MKLP1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

WB (Western Blot)
Western blot analysis of MKLP1 on different lysates using anti-MKLP1 antibody at 1/1, 000 dilution. Positive control: Lane 1: A549 Lane 2: Hela

ADDITIONAL INFORMATION

Related Product Information for anti-MKLP1 antibody	The monoclonal antibody CHO1 detects a spindle antigen required for mitotic progression. Screening a HeLa cell cDNA expression library with this antibody has been shown to yield a cDNA predicted to encode a protein significantly related within its amino terminal half to the motor ends of members of the kinesin superfamily. Since this similarity does not extend further, it has been suggested that the CHO1 antigen, now designated MKLP-1 (mitotic kinesin-like protein-1), represents a novel kinesin. Sequence analysis has also been shown to predict that MKLP-1 possesses features typical of nuclear proteins. Immunocytological studies have demonstrated that MKLP-1 moves from the nucleus early in mitosis and then to the midbody after cytokinesis. MKLP-1 has been shown to bundle antiparallel microtubules in vitro and to move them at rates comparable to spindle elongation in vivo. A hamster homolog of MKLP-1, designated CHO1 antigen, has also been isolated. Although apparently functionally equivalent with respect to microtubule bundling activity, there are significant differences between the human and hamster proteins at their C-termini, possibly due to alternative splicing or the presence of more than one MKLP-1 locus.
Product Categories/Family for anti-MKLP1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	6754472
NCBI GeneID	9493
NCBI Accession #	NP_004847.2
NCBI GenBank Nucleotide #	NM_004856.6
UniProt Accession #	Q02241; Q8WVP0; B4E1K0
Molecular Weight	110059 MW
NCBI Official Full Name	kinesin-like protein KIF23 isoform 2
NCBI Official Synonym Full Names	kinesin family member 23
NCBI Official Symbol	KIF23
NCBI Official Synonym Symbols	CHO1; KNSL5; MKLP1; MKLP-1
NCBI Protein Information	kinesin-like protein KIF23
UniProt Protein Name	Kinesin-like protein KIF23
UniProt Gene Name	**KIF23**
UniProt Synonym Gene Names	KNSL5; MKLP1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/mklp1-antibody-clone-sy02-74-immunofluorescence-immunocytochemistry-western-blot-elisa/312197