

Mouse anti-Human KTN1 Monoclonal Antibody | anti-KTN1 antibody

KTN1 (578) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62334	Mouse	Human	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

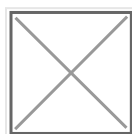
PRODUCT SYNONYMS

KTN1; Monoclonal Antibody; KTN1 (578) Mouse mAb; Kinectin 1 (578) Mouse mAb; CG-1 antigen; CG1; Kinectin; kinectin 1 (kinesin receptor); Kinesin receptor; KNT; MU-RMS-40.19; KIAA0004; anti-KTN1 antibody

PRODUCT SPECIFICATIONS

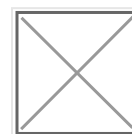
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	1357
Applicable Applications for anti-KTN1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human Kinectin1
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling KTN1with M25015 at 1/200 dilution (red) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, blue). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

KTN1 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25015 of 10 ug. Western blot was performed from the immunopre-cipitate using M25015 at 1/2000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: Jurkat cells membrane fraction. Lane2: IP product of Jurkat cells membrane fraction.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

All lanes : KTN1 Mouse mAb at 1/2000 dilution Lane 1 : Jurkat cells membrane fraction Lane 2 : THP1 cells membrane fraction as negative control Lysates/proteins at 20 ug per lane. Secondary Goat Anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution Predicted band size : 156 KDa Observed band size : 156 KDa Blocking/Dilution buffer : 1x TBST.

ADDITIONAL INFORMATION

Related Product Information for anti-KTN1 antibody	This gene encodes an integral membrane protein that is a member of the kinectin protein family. The encoded protein is primarily localized to the endoplasmic reticulum membrane. This protein binds kinesin and may be involved in intracellular organelle motility. This protein also binds translation elongation factor-delta and may be involved in the assembly of the elongation factor-1 complex. Alternate splicing results in multiple transcript variants of this gene.
Product Categories/Family for anti-KTN1 antibody	Cell Marker; Subcellular Marker; Membrane

NCBI AND UNIPROT INFORMATION

NCBI GI #	118498356
NCBI GeneID	3895
NCBI Accession #	NP_001072989.1
NCBI GenBank Nucleotide #	NM_001079521.1
UniProt Accession #	Q86UP2; Q13999; Q14707; Q15387; Q17RZ5; Q5GGW3; Q86W57; B4DZ88
Molecular Weight	149,611 Da
NCBI Official Full Name	kinectin isoform a
NCBI Official Synonym Full Names	kinectin 1
NCBI Official Symbol	KTN1
NCBI Official Synonym Symbols	CG1; KNT; MU-RMS-40.19
NCBI Protein Information	kinectin
UniProt Protein Name	Kinectin
UniProt Gene Name	KTN1
UniProt Synonym Gene Names	CG1; KIAA0004

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ktn1-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62334>