

Mouse anti-Homo Sapiens SUN2 Monoclonal Antibody | anti-SUN2 antibody

SUN2 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62365	Mouse	Homo Sapiens	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

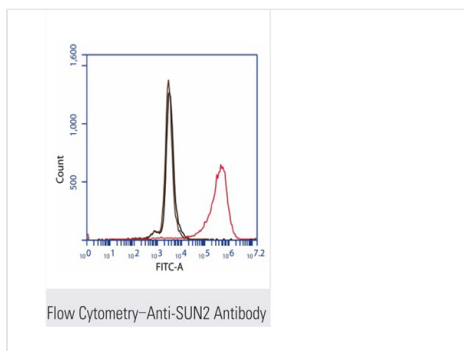
PRODUCT SYNONYMS

SUN2; Monoclonal Antibody; SUN2 Mouse mAb; nuclear envelope protein; Protein unc-84 homolog B; Rab5-interacting protein; Rab5IP; Sad1 unc-84 domain protein 2; Sad1/unc-84 protein-like 2; SUN domain-containing protein 2; unc-84 homolog B; FRIGG; KIAA0668; RAB5IP; UNC84B; anti-SUN2 antibody

PRODUCT SPECIFICATIONS

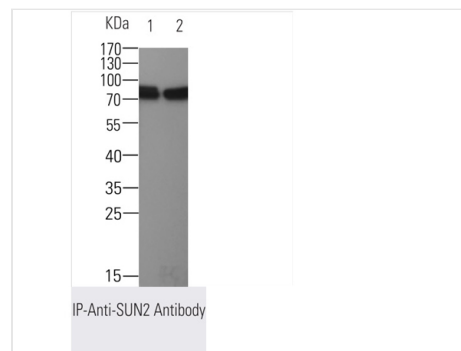
Host	Mouse
Reactivity	Homo Sapiens
Clonality	Monoclonal
Isotype	IgG
Sequence Length	738
Applicable Applications for anti-SUN2 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a polypeptide corresponding to SUN2 protein.
Preparation and Storage	Store at -20°C . Stable for one year from the date of shipment.

IMAGES



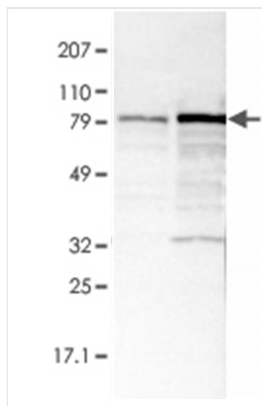
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling SUN2 with M25116 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)

SUN2 was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with M25116 of 10 ug. Western blot was performed from the immunoprecipitate using AAA62365 at 1/1000 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. Predicted band size : 80 kDa Observed band size : 80 kDa Blocking and dilution buffer and concentration: 5% milk/TBST.



WB (Western Blot)

ADDITIONAL INFORMATION

Related Product Information for anti-SUN2 antibody	SUN1 (MIM 607723) and SUN2 are inner nuclear membrane (INM) proteins that play a major role in nuclear-cytoplasmic connection by formation of a 'bridge' across the nuclear envelope, known as the LINC complex, via interaction with the conserved luminal KASH domain of nesprins located in the outer nuclear membrane (ONM). The LINC complex provides a direct connection between the nuclear lamina and the cytoskeleton, which contributes to nuclear positioning and cellular rigidity.
Product Categories/Family for anti-SUN2 antibody	Cell Marker; Subcellular Marker; Nucleoplasm

NCBI AND UNIPROT INFORMATION

NCBI GI #	313760643
NCBI GeneID	25777
NCBI Accession #	NP_001186508.1
NCBI GenBank Nucleotide #	NM_001199579.1
UniProt Accession #	Q9UH99; O75156; Q2NKN8; Q2T9F7; Q504T5; Q6B4H1; Q7Z3E3; B0QY62
Molecular Weight	Predicted MW: 80kDa
NCBI Official Full Name	SUN domain-containing protein 2 isoform a
NCBI Official Synonym Full Names	Sad1 and UNC84 domain containing 2
NCBI Official Symbol	SUN2
NCBI Official Synonym Symbols	UNC84B
NCBI Protein Information	SUN domain-containing protein 2
UniProt Protein Name	SUN domain-containing protein 2
UniProt Gene Name	SUN2
UniProt Synonym Gene Names	FRIGG; KIAA0668; RAB5IP; UNC84B; Rab5IP

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.