

Mouse anti-Homo sapiens SFPQ Monoclonal Antibody | anti-SFPQ antibody

SFPQ (578) Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62322	Mouse	Homo sapiens	Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot

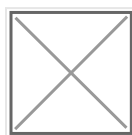
PRODUCT SYNONYMS

SFPQ; Monoclonal Antibody; SFPQ (578) Mouse mAb; PPP1R140; PSF; anti-SFPQ antibody

PRODUCT SPECIFICATIONS

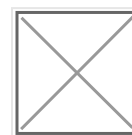
Host	Mouse
Reactivity	Homo sapiens
Clonality	Monoclonal
Isotype	IgG
Applicable Applications for anti-SFPQ antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Host Note	This monoclonal antibody is produced by immunizing mice with a polypeptide corresponding to SFPQ protein.
Product Advantage	Mass spectrum approved
Preparation and Storage	Store at -20°C, stable for one year from date of shipment.

IMAGES



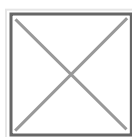
IP (Immunoprecipitation)

SFPQ was immunoprecipitated from 1mg of Jurkat cells membrane fraction, blotted with AAA62322 of 10ug. Western blot was performed from the immunoprecipitate using AAA62322 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. Lane 2: IP product of Jurkat cells membrane fraction. Blocking and dilution buffer and concentration: 5% milk/TBST.



WB (Western Blot)

All lanes: SFPQ Mouse mAb at 1/2000 dilution
Lane 1: Jurkat cells membrane fraction
Lane 2: THP1 cells membrane fraction
Lysates/proteins at 20ug per lane
Secondary: Goat anti-Mouse IgG-HRP, 5% milk conjugated at 1/10000 dilution
Predicted band size: 100 KDa
Observed band size: 100 KDa
Blocking/Dilution buffer: 1X TBST



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed Jurkat (Human T cell leukemia cells from peripheral blood) cells labeling SFPQ with AAA62322 at 1/200 dilution (green) compared with a mouse monoclonal IgG isotype control (black) and an unlabelled control (cells without incubation with primary antibody, red). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as a secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SFPQ antibody	DNA and RNA binding protein, involved in several nuclear processes. Essential pre-mRNA splicing factor required early in spliceosome formation and for splicing catalytic step II, probably as a heteromer with NONO. Binds to pre-mRNA in a spliceosome C complex, and specifically binds to intronic polypyrimidine tracts. Involved in regulation of signal-induced alternative splicing. During splicing of PTPRC/CD45, a phosphorylated form is sequestered by THRAP3 from the pre-mRNA in resting T-cells; T-cell activation and subsequent reduced phosphorylation is proposed to lead to release from THRAP3 allowing binding to pre-mRNA splicing regulatory elements which represses exon inclusion.
Product Categories/Family for anti-SFPQ antibody	Cell Marker; Subcellular Marker; Nucleoplasma

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826998
NCBI GeneID	6421
NCBI Accession #	NP_005057.1
NCBI GenBank Nucleotide #	NM_005066.2
UniProt Accession #	P23246; P30808; Q5SZ71
Molecular Weight	Predicted MW: 100 KDa
NCBI Official Full Name	splicing factor, proline- and glutamine-rich
NCBI Official Synonym Full Names	splicing factor proline and glutamine rich
NCBI Official Symbol	SFPQ
NCBI Official Synonym Symbols	PSF; POMP100; PPP1R140
NCBI Protein Information	splicing factor, proline- and glutamine-rich
UniProt Protein Name	Splicing factor, proline- and glutamine-rich
UniProt Gene Name	SFPQ
UniProt Synonym Gene Names	PSF; PSF1 PublicationManual assertion based on opinion iniRef.1; PTB-associated-splicing factor

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/sfpq-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62322>