

Mouse SWAP70 Monoclonal Antibody | anti-SWAP70 antibody

SWAP70 Mouse mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320353	Mouse	Human, Mouse, Rat, Monkey	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

SWAP70; Monoclonal Antibody; SWAP70 Mouse mAb; KIAA0640; 70kDa; AV235546; FLJ39540; HSPC321; SWA 70 protein; SWAP 70; SWAP switching B-cell complex 70kDa subunit; SWAP-70; Switch associated protein 70; Switch-associated protein 70; SWP70_HUMAN.; anti-SWAP70 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey
Clonality	Monoclonal
Specificity	This antibody detects endogenous levels of SWAP70 and does not cross-react with related proteins.
Purity/Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SWAP70 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Purified recombinant human SWAP70 protein fragments expressed in E coli.
Modification	Unmodified/Total
Domain	The PH domain is essential for phosphatidylinositol 3,4,5-trisphosphate binding.
Function	Phosphatidylinositol 3,4,5-trisphosphate-dependent guanine nucleotide exchange factor (GEF) which, independently of RAS, transduces signals from tyrosine kinase receptors to RAC. It also mediates signaling of membrane ruffling. Regulates the actin cytoskeleton as an effector or adapter protein in response to agonist stimulated phosphatidylinositol (3,4)-bisphosphate production and cell protrusion.
PTM	Tyrosine-phosphorylated. Contains 1 PH domain.
Subcellular Location	In resting B-cells it is localized mainly in the cytoplasm and upon cell activation it is recruited to the plasma membrane and then translocates to the nucleus. In activated, class-switching B-cells it is associated with membrane IgG but not IgM. Localized to loose actin filament arrays located behind actively extending lamellipodia.
Subunit	The SWAP complex consists of NPM1, NCL, PARP1 and SWAP70.
Tissue Specificity	Expressed only in mature B-cells including those associated with mucosa-associated tissue and bronchus-associated tissue (PubMed; 10681448). Widely expressed. Abundant in spleen, and fairly abundant in kidney, lung and liver. Also found in monocytes and macrophages (PubMed; 12925760).
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IP (Immunoprecipitation)
Immunoprecipitation analysis of Hela cell lysate using SWAP70 mouse mAb.



WB (Western Blot)
Western blot detection of SWAP70 in COS7.293T.C6.3T3 and Hela cell lysates and using SWAP70 mouse mAb (1:1000 diluted).Predicted band size: 70KDa.Observed band size: 70KDa.

ADDITIONAL INFORMATION

Product Categories/Family for anti-SWAP70 antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	93102364
NCBI GeneID	23075
NCBI Accession #	NP_055870.2
NCBI GenBank Nucleotide #	NM_015055.3
UniProt Accession #	Q9UHH6; O75135; Q7LCY6; Q9P061; Q9P0Z8; D3DQV1
Molecular Weight	68,998 Da
NCBI Official Full Name	switch-associated protein 70 isoform 1
NCBI Official Synonym Full Names	SWAP switching B-cell complex 70kDa subunit
NCBI Official Symbol	SWAP70
NCBI Official Synonym Symbols	HSPC321; SWAP-70
NCBI Protein Information	switch-associated protein 70
UniProt Protein Name	Switch-associated protein 70
UniProt Gene Name	SWAP70
UniProt Synonym Gene Names	KIAA0640; SWAP-70
UniProt Entry Name	SWP70_HUMAN

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/swap70-antibody-immunoprecipitation-western-blot-elisa/320353>