

## SWAP70 Antibody

Purified Mouse Monoclonal Antibody (Mab)  
Catalog # AP52767-100 □

## Specification

### SWAP70 Antibody - Product Information

Application	WB, IP
Primary Accession	<a href="#">Q9UH65</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	70 KDa

### SWAP70 Antibody - Additional Information

Gene ID 23075

#### Other Names

KIAA0640;70kDa;AV235546;FLJ39540;HSPC321;SWA 70 protein;SWAP 70;SWAP switching B-cell complex 70kDa subunit;SWAP-70;SWAP70;Switch associated protein 70;Switch-associated protein 70;SWP70\_HUMAN.

#### Dilution

WB~~1:1000  
IP~~1:500

Format  
Ascites

#### Storage

Store at -20 °C.Stable for 12 months from date of receipt

### SWAP70 Antibody - Protein Information

Name SWAP70

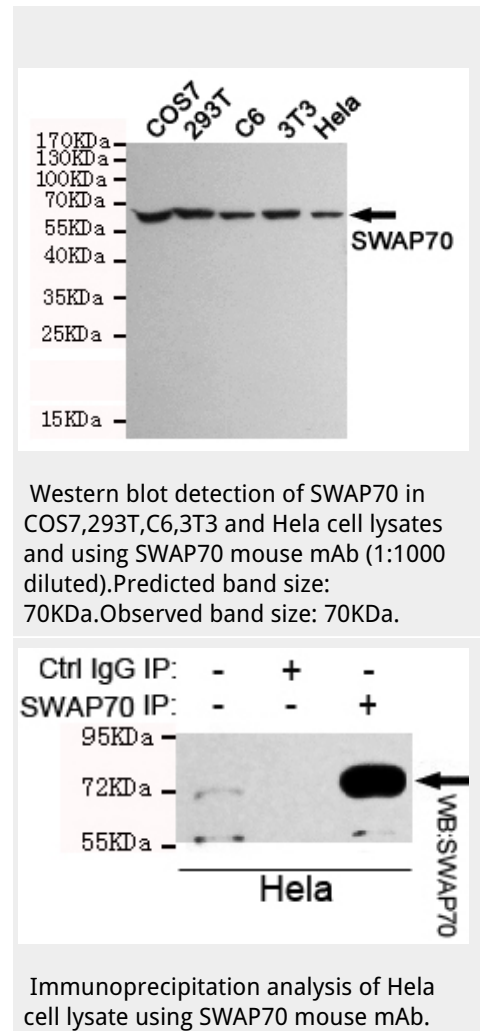
Synonyms KIAA0640

#### 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 (By similarity).

#### Cellular Location

Cytoplasm. Cell membrane. Nucleus. Cell projection, lamellipodium Cytoplasm, cytoskeleton. Note=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 (PubMed:10681448). In activated, class-switching B-cells it is associated with membrane IgG but not IgM (PubMed:10681448). Localized to loose actin filament arrays



located behind actively extending lamellipodia  
(PubMed:12925760)

#### Tissue Location

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)

#### SWAP70 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [□Western Blot](#)
- [□Blocking Peptides](#)
- [□Dot Blot](#)
- [□Immunohistochemistry](#)
- [□Immunofluorescence](#)
- [□Immunoprecipitation](#)
- [□Flow Cytometry](#)
- [□Cell Culture](#)

#### SWAP70 Antibody - Background

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 (By similarity).

#### SWAP70 Antibody - References

Masat L., et al. Proc. Natl. Acad. Sci. U.S.A. 97:2180-2184(2000).  
Rapalus L., et al. Clin. Immunol. 101:270-275(2001).  
Monz D.W., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.  
Ishikawa K., et al. DNA Res. 5:169-176(1998).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.