

**Goat Anti-SWAP70 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2053a****Specification**

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**Goat Anti-SWAP70 Antibody - Product Information**

|                   |   |
|-------------------|---|
| Application       | WB, E   |
| Primary Accession | <a href="#">O9UH65</a>                            |
| Other Accession   | <a href="#">NP_055870</a> , <a href="#">23075</a> |
| Reactivity        | Human   |
| Predicted         | Mouse, Rat  |
| Host              | Goat  |
| Clonality         | Polyclonal  |
| Concentration     | 100ug/200ul                                       |
| Isotype           | IgG   |
| Calculated MW     | 68998   |

**Goat Anti-SWAP70 Antibody - Additional Information****Gene ID** 23075**Other Names**

Switch-associated protein 70, SWAP-70, SWAP70, KIAA0640

**Dilution**

WB~~1:1000

E~~N/A

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-SWAP70 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-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).

### Goat Anti-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](#)

### Goat Anti-SWAP70 Antibody - Images



AF2053a (0.1 µg/ml) staining of Human Lymph Node lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

### Goat Anti-SWAP70 Antibody - References

Toward a confocal subcellular atlas of the human proteome. Barbe L, et al. Mol Cell Proteomics, 2008 Mar. PMID 18029348.

Expression and localization of SWAP-70 in human fetomaternal interface and placenta during tubal pregnancy and normal placentation. Liu J, et al. J Histochem Cytochem, 2007 Jul. PMID 17371938.

Diagnostic surface expression of SWAP-70 on HIV-1 infected T cells. Kimbara N, et al. Microbiol Immunol, 2006. PMID 16547421.

Direct binding of SWAP-70 to non-muscle actin is required for membrane ruffling. Ihara S, et al. J Cell Sci, 2006 Feb 1. PMID 16418221.

Diversification of transcriptional modulation: large-scale identification and characterization of putative alternative promoters of human genes. Kimura K, et al. Genome Res, 2006 Jan. PMID 16344560.