

**SKAP55 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP55250****Specification****SKAP55 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q86WV1</a>
Reactivity	Rat, Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SKAP55
Epitope Specificity	101-200/359
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Nucleus. Cell membrane. Upon T-cell stimulation, translocates to lipid rafts at the cell membrane.
SIMILARITY	Belongs to the SKAP family. Contains 1 PH domain. Contains 1 SH3 domain.
Post-translational modifications	Phosphorylated on tyrosines. Phosphorylation by FYN on Tyr-271 is required for GRB2 interaction. Phosphorylation by FYN on Tyr-295 abolishes interaction with FYB. Tyr-232 is dephosphorylated by PTPRC.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

Fyb (Fyn binding protein) and the anchoring proteins SKAP55 and SKAP55-R (SKAP55-related protein) associate with the tyrosine kinase p59fyn. SKAP55 and SKAP55-R bind to Fyb through their SH3 domains and function as substrates for p59Fyn in resting T cells. SKAP55 contains an N-terminal pleckstrin homology domain and a C-terminal SH3 domain binding motif of adjacent arginine and lysine residues followed by tandem tyrosines. SKAP55-R, similar in overall structure to SKAP55, contains a coiled-coil N-terminal domain. SKAP55 associates with SLAP-130, another component of the Fyn complex, which plays a role in the regulation of signaling events initiated by lymphocyte antigen receptors leading up to T cell activation. The human SKAP55 gene maps to chromosome 17q21.32 and encodes a 359 amino acid protein.

**SKAP55 Polyclonal Antibody - Additional Information**

**Gene ID 8631****Other Names**

Src kinase-associated phosphoprotein 1, Src family-associated phosphoprotein 1, Src kinase-associated phosphoprotein of 55 kDa, SKAP-55, pp55, SKAP1, SCAP1, SKAP55

**Target/Specificity**

Highly expressed in thymocytes and peripheral blood lymphocytes. Also expressed in spleen cells and testis. Present in T-cells (at protein level).

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A  
E~~N/A

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**SKAP55 Polyclonal Antibody - Protein Information**

**Name** SKAP1

**Synonyms** SCAP1, SKAP55

**Function**

Positively regulates T-cell receptor signaling by enhancing the MAP kinase pathway. Required for optimal conjugation between T- cells and antigen-presenting cells by promoting the clustering of integrin ITGAL on the surface of T-cells. May be involved in high affinity immunoglobulin epsilon receptor signaling in mast cells.

**Cellular Location**

Cytoplasm. Nucleus. Cell membrane. Note=Upon T- cell stimulation, translocates to lipid rafts at the cell membrane

**Tissue Location**

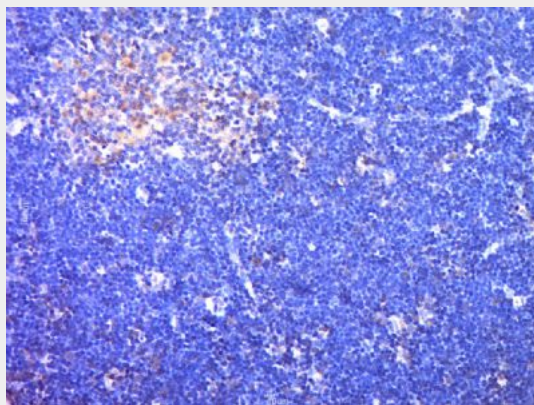
Highly expressed in thymocytes and peripheral blood lymphocytes. Also expressed in spleen cells and testis. Present in T- cells (at protein level).

**SKAP55 Polyclonal 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](#)

**SKAP55 Polyclonal Antibody - Images**



Paraformaldehyde-fixed, paraffin embedded (Rat thymus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (SKAP55 ) Polyclonal Antibody, Unconjugated (bs-13702R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.