



## Rabbit Anti-SCAP2 antibody

SL13673R

<b>Product Name:</b>	SCAP2
<b>Chinese Name:</b>	Src家族相关磷酸化蛋白2抗体
<b>Alias:</b>	Fyn associated phosphoprotein SKAP55 homologue; MGC10411; MGC33; PRAP; Pyk2/RAFTK associated protein; Pyk2/RAFTK-associated protein; RA70; Retinoic acid-induced protein 70; SAPS; SKAP-55HOM; SKAP-HOM; skap2; SKAP2_HUMAN; SKAP55 homolog; SKAP55R; Src associated adaptor protein; Src family associated phosphoprotein 2; Src family-associated phosphoprotein 2; src kinase associated phosphoprotein of 55 related protein; Src kinase-associated phosphoprotein 2; Src kinase-associated phosphoprotein 55-related protein; Src-associated adapter protein with PH and SH3 domains.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Horse,Rabbit,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	41kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SCAP2:1-100/359
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
<b>PubMed:</b>	<a href="#">PubMed</a>

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 (i.e. RKxxYxxY). 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.

**Function:**

May be involved in B-cell and macrophage adhesion processes. In B-cells, may act by coupling the B-cell receptor (BCR) to integrin activation. May play a role in src signaling pathway.

**Subunit:**

Homodimer (By similarity). Interacts with PTPNS1. Part of a complex consisting of SKAP2, FYB and PTPNS1. Part of a complex consisting of SKAP2, FYB and LILRB3. May interact with actin (By similarity). Interacts with FYB, which is required for SKAP2 protein stability. Interacts with LAT, GRB2, PTK2B and PRAM1. May interact with FYN, HCK and LYN. Interacts with FASLG.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Ubiquitously expressed. Present in platelets (at protein level).

**Post-translational modifications:**

Phosphorylated in resting platelets. Phosphorylated by FYN on Tyr-261 upon T-cell activation (Probable). Dephosphorylated on Tyr-75 by PTPN22.

**Similarity:**

Belongs to the SKAP family.  
Contains 1 PH domain.  
Contains 1 SH3 domain.

**SWISS:**

O75563

**Gene ID:**

8935

**Database links:**

**Product Detail:**

[Entrez Gene: 8935](#) Human

[Entrez Gene: 616545](#) Cow

[Entrez Gene: 54353](#) Mouse

[Entrez Gene: 100171875](#) Orangutan

[Entrez Gene: 155183](#) Rat

[Omim: 605215](#) Human

[SwissProt: Q32LP7](#) Cow

[SwissProt: O75563](#) Human

[SwissProt: Q3UNDO](#) Mouse

[SwissProt: Q5RDS2](#) Orangutan

[SwissProt: Q920G0](#) Rat

[Unigene: 200770](#) Human

[Unigene: 610137](#) Human

[Unigene: 221479](#) Mouse

[Unigene: 392558](#) Mouse

[Unigene: 162747](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.