

Product datasheet

Anti-SKAP55 antibody ab19377

★★★★☆ 1 Abreviews 1 Image

Overview

Product name	Anti-SKAP55 antibody
Description	Rabbit polyclonal to SKAP55
Host species	Rabbit
Specificity	Detects Human SKAP55.
Tested applications	Suitable for: ICC, IP, WB
Species reactivity	Reacts with: Human Predicted to work with: Rat
Immunogen	Immunogen corresponds to amino acids 2-105 of Human SKAP55: QAAALPEEIRWLLEDAEEFLAEGLRNENLSAVARDHRDHILRGFQQIKAR YYWDFQPQG Run BLAST with Run BLAST with
Positive control	Human Jurkat cells.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: PBS, 1mg/ml BSA
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab19377** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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ICC

IP

WB



Application notes

ICC: Use at a concentration of 5 µg/ml.
 IP: Use at an assay dependent dilution.
 WB: Use at a concentration of 1 µg/ml. Detects an ~ 60 kDa protein from Human Jurkat cells.

Not tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

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.

Tissue specificity

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

Sequence similarities

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

Domain

The SH3 domain interacts with FYB.

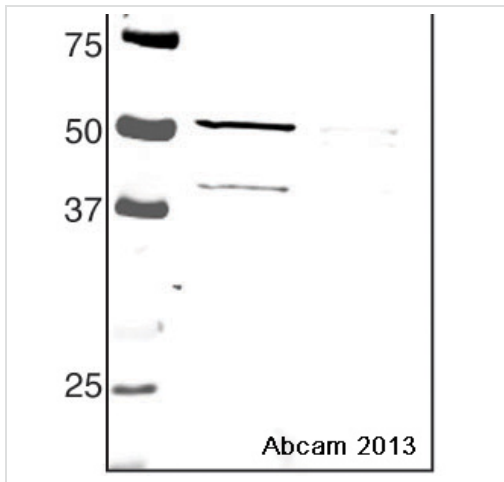
Post-translational modifications

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.

Cellular localization

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

Images



Western blot - Anti-SKAP55 antibody (ab19377)

This image is courtesy of an anonymous abreview.

All lanes : Anti-SKAP55 antibody (ab19377)
at 1/500 dilution

Lane 1 : Human T cell lysate

Lane 2 : Human platelet lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat polyclonal to Rabbit IgG
conjugated to Odyssey IR-Dye 800 at 1/50000
dilution

Performed under reducing conditions.

Predicted band size: 60 kDa

Observed band size: 51 kDa

Additional bands at: 40 kDa (possible non-specific binding)

Exposure time: 3 minutes

Detection: Licor Odyssey system

Blocking: 3% BSA

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