


Product datasheet

Anti-SKAP55 antibody ab19377

★★★★☆ 1 Abreviews 1 Image

Overview

<b>Product name</b>	Anti-SKAP55 antibody
<b>Description</b>	Rabbit polyclonal to SKAP55
<b>Specificity</b>	Detects Human SKAP55.
<b>Tested applications</b>	<b>Suitable for:</b> ICC, IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat 
<b>Immunogen</b>	Immunogen corresponds to amino acids 2-105 of Human SKAP55: QAAALPEEIRWLLEDAEEFLAEGLRNENLSAVARDHRDHILRGFQQIKAR YYWDFQPQG  <div style="text-align: right;"><a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a></div>
<b>Positive control</b>	Human Jurkat cells.

Properties

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

Application	Abreviews	Notes
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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.

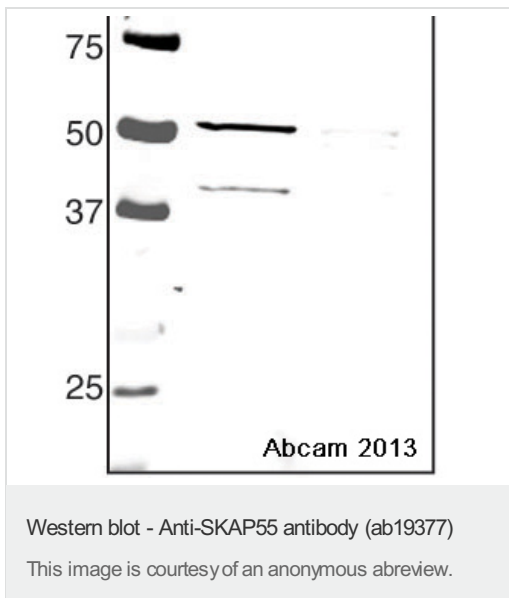
##### Post-translational modifications

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.

#### Anti-SKAP55 antibody images



**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**

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

*This image is courtesy of an anonymous  
abreview.*

**Detection:** Licor Odyssey system

**Blocking:** 3% BSA

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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