

## Product datasheet

# Anti-PAG antibody ab14989

3 References [画像数 3](#)

### 製品の概要

製品名	Anti-PAG antibody
製品の詳細	Rabbit polyclonal to PAG
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IP, IHC-P, WB
種交差性	<b>交差種:</b> Mouse, Human
免疫原	Recombinant fragment, corresponding to amino acids 97-432 of Human PAG.
ポジティブ・コントロール	Human Ramos cell line, Raji cell line Mouse spleen cells

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
バッファー	Preservative: 15mM Sodium Azide Constituents: PBS, pH 7.4
精製度	>95% by SDS-PAGE
特記事項(精製)	Purified from rabbit antisera by precipitation methods.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab14989** in the following tested applications.

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

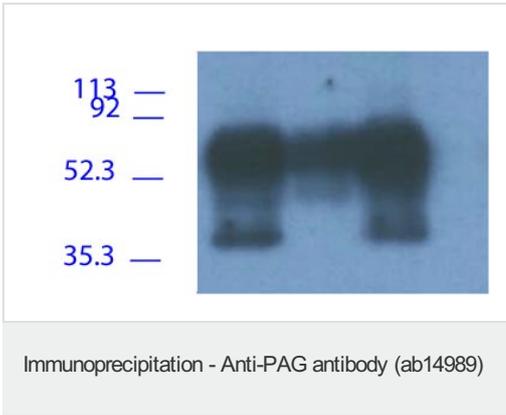
アプリケーション	Abreviews	特記事項
IP		Use at an assay dependent concentration.

アプリ ケー ション	Abreviews	特記事項
IHC- P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 51.8 kDa. Use a lysis buffer made with Tris HCl (pH 8.1) and 1%laurylmaltoside (with common protease inhibitors), mild detergents such as NP-40 do not work. Non-denaturing conditions should be used

## ターゲット情報

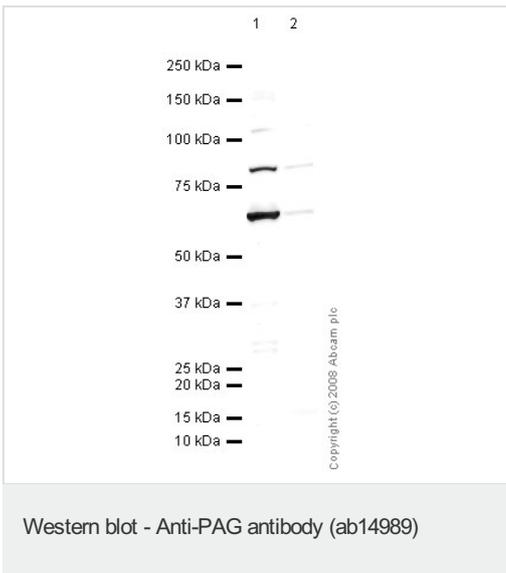
機能	Negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Promotes CSK activation and recruitment to lipid rafts, which results in LCK inhibition. Inhibits immunological synapse formation by preventing dynamic arrangement of lipid raft proteins. May be involved in cell adhesion signaling.
組織特異性	Ubiquitously expressed. Present in germinal center B-cells, plasma cells, T-cells, monocytes and platelets (at protein level).
翻訳後修飾	Palmitoylated. Phosphorylated by FYN on Tyr-317 in resting T-cells; which promotes interaction with CSK. Dephosphorylated by PTPRC/CD45 upon TCR activation; which leads to CSK dissociation. May also be dephosphorylated by PTPN11. Hyperphosphorylated in mast cells upon FCER1 activation.
細胞内局在	Cell membrane. Present in lipid rafts.

## 画像



1. Frozen Raji cells lysate, immunoprecipitated with [ab4206](#)
  2. Fresh Raji cells lysate, immunoprecipitated with [ab4206](#)
  3. Frozen Raji cells lysate, immunoprecipitated with [ab14989](#)
- Reprobe with [ab9527](#).

The immunoprecipitation used covalently bound antibody to Sepharose beads as immunosorbent. This method of precipitation obviously differs from proteinA/G-sepharose or GoatMs -Sepharose mediated immunoprecipitation protocols.



**All lanes :** Anti-PAG antibody ([ab14989](#)) at 1 µg/ml

**Lane 1 :** Human liver tissue lysate - total protein ([ab29889](#))

**Lane 2 :** Lung (Human) Tissue Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

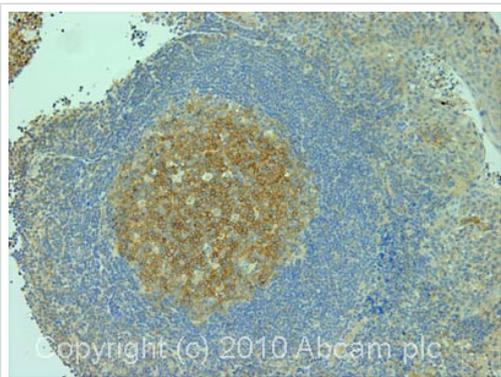
**All lanes :** Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

**Predicted band size:** 51.8 kDa

**Observed band size:** 80 kDa

**Additional bands at:** 60 kDa. We are unsure as to the identity of these extra bands.

PAG migrates on SDS PAGE gels anomalously as an 80 kDa molecule.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-PAG antibody (ab14989)

IHC image of ab14989 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab14989, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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