Datasheet for ABIN94497

anti-PAG1 antibody (AA 97-432)

2 Images

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Overview

Quantity:	0.1 mg
Target:	PAG1
Binding Specificity:	AA 97-432
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAG1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant intracellular fragment (aa 97-432) of human Cbp (PAG).
Specificity:	The polyclonal antibody recognizes intracellular part of Csk-binding protein (Cbp / PAG), a 46 kDa ubiquitously expressed transmembrane adaptor protein present in membrane rafts (glycosphingolipid-enriched microdomains), which however migrates on SDS PAGE gels anomalously as an 80 kDa molecule.
Cross-Reactivity (Details):	Mouse, Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

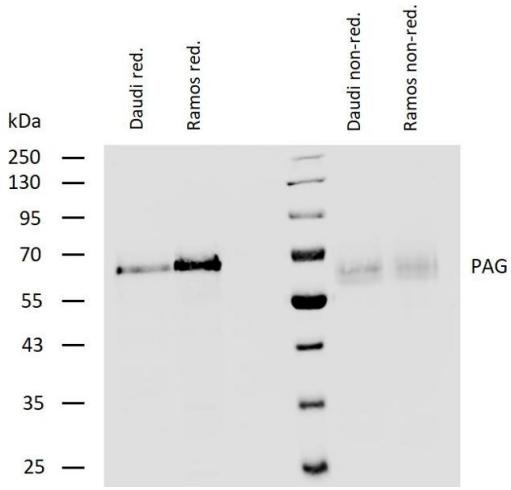
Target:	PAG1
Alternative Name:	PAG / Cbp (PAG1 Products)
Background:	Phosphoprotein membrane anchor with glycosphingoli,PAG (phosphoprotein associated with GEMs), also known as Cbp (Csk-binding protein), is a ubiquitously expressed 46 kDa transmembrane adaptor protein present in membrane rafts (glycosphingolipid-enriched microdomains), which however migrates on SDS PAGE gels anomalously as an 80 kDa molecule. Following tyrosine phosphorylation by Src family kinases, PAG binds and thereby activates the protein tyrosine kinase Csk, the major negative regulator of the Src family kinases. Signaling via the B-cell receptor in B cells or high affinity IgE receptor (FcepsilonRI) in mast cells leads to PAG increased tyrosine phosphorylation and Csk binding, while T cell receptor signaling causes PAG dephosphorylation, loss of Csk binding and increased activation of the protein tyrosine kinase Lck.,CBP, PAG
Gene ID:	94212
UniProt:	Q3U1F9
Pathways:	p53 Signaling, TCR Signaling, EGFR Signaling Pathway, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Immunohistochemistry (paraffin sections): Positive tissue: tonsil, colon germinal center. Western blotting: Recommended dilution: 1-2 µg/mL.
Restrictions:	For Research Use only

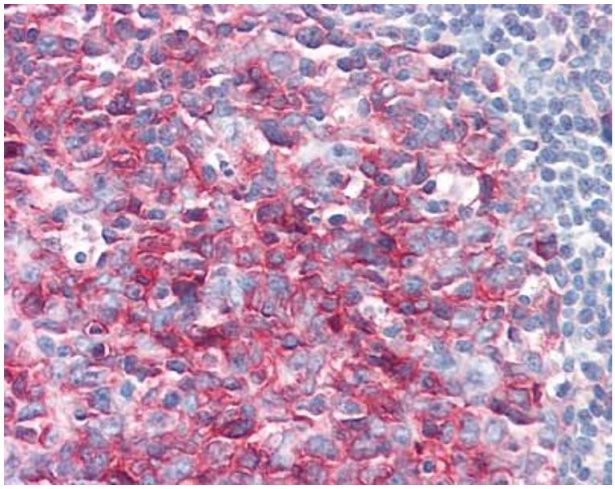
Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	**Do not freeze.**
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.



Western Blotting

Image 1. Western blotting analysis of human PAG using rabbit polyclonal antibody PAb (409) on lysates of Daudi and Ramos cell line under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/mL of rabbit anti-PAG monoclonal antibody followed by IRDye800-conjugated anti-rabbit secondary antibody. PAG was detected around 65 kDa.



Immunohistochemistry

Image 2. Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

