

Anti-Pan-SAPAP antibody ab67224

[1 Abreviews](#) [1 Image](#)

Overview

Product name	Anti-Pan-SAPAP antibody
Description	Rabbit polyclonal to Pan-SAPAP
Host species	Rabbit
Specificity	Please note that the immunogen that generated ab67224 shares some sequence with other SAPAP/DLGAP proteins, including SAPAP1, SAPAP2, and SAPAP4, and preliminary data suggests this antibody may not be specific for SAPAP3.
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat
Immunogen	Synthetic peptide corresponding to Human Pan-SAPAP.
Positive control	WB: Rat brain tissue lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab67224 in the following tested applications.

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

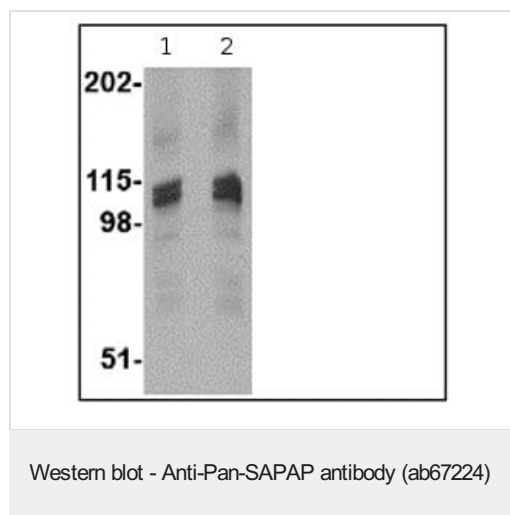
Application	Abreviews	Notes
WB		Use a concentration of 1 - 2 µg/ml. Detects a band of approximately 106 kDa (predicted molecular weight: 106 kDa).

Target**Relevance**

SAPAP3, (DLGAP3) is a member of a protein family whose members specifically interact with PSD-95/SAP90, a membrane-associated guanylate kinase localized at postsynaptic density (PSD) in neuronal cells. Like the other SAPAP proteins, SAPAP3 is thought to be an adaptor protein that also interacts with different synaptic scaffolding proteins, cytoskeletal and signaling components, such as focal adhesion kinase (FAK) and proline-rich tyrosine kinase 2 (PYK2). Both SAPAP3 protein and mRNA are targeted to dendrites, whereas SAPAP1, -2, and -4 mRNAs are detected mainly in cell bodies. Recent experiments have suggested that SAPAP3 may be involved in obsessive-compulsive disorder (OCD), as mice lacking SAPAP3 exhibited OCD-like symptoms which could be relieved by lentiviral-mediated selective expression of SAPAP3 in the striatum of SAPAP3-mutant mice. At least two isoforms are known to exist.

Cellular localization

Cell Membrane

Images

Lane 1 : Anti-Pan-SAPAP antibody (ab67224) at 1 µg/ml

Lane 2 : Anti-Pan-SAPAP antibody (ab67224) at 2 µg/ml

All lanes : rat brain tissue lysate

Lysates/proteins at 15 µg per lane.

Predicted band size: 106 kDa

Observed band size: 106 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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