

## Product datasheet

# Anti-Frequenin antibody ab105524

[2 Images](#)

### Overview

<b>Product name</b>	Anti-Frequenin antibody
<b>Description</b>	Rabbit polyclonal to Frequenin
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow, Zebrafish
<b>Immunogen</b>	Synthetic peptide corresponding to a region within the N terminal amino acids 1-50 (MGKSNSKLP EVVEELTRKT YFTEKEVQQW YKGFIKDCPS GQLDAAGFQK) of Human Frequenin (NP_055101). <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	HepG2 cell lysate and Human brain tissue.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab105524** in the following tested applications.

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

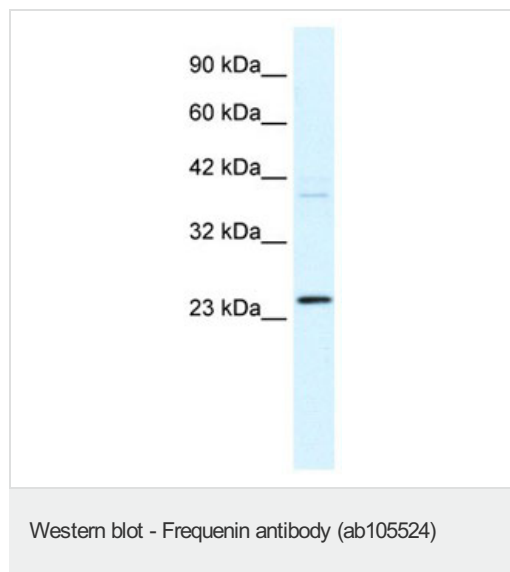
Application	Abreviews	Notes
WB		Use a concentration of 0.5 µg/ml. Predicted molecular weight: 22 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Application	Abreviews	Notes
IHC-P		Use a concentration of 4 - 8 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

<b>Function</b>	Neuronal calcium sensor, regulator of G protein-coupled receptor phosphorylation in a calcium dependent manner. Directly regulates GRK1 (RHOK), but not GRK2 to GRK5. Can substitute for calmodulin (By similarity). Stimulates P4KB kinase activity (By similarity). Involved in long-term synaptic plasticity through its interaction with PICK1 (By similarity). May also play a role in neuron differentiation through inhibition of the activity of N-type voltage-gated calcium channel.
<b>Sequence similarities</b>	Belongs to the recoverin family. Contains 4 EF-hand domains.
<b>Cellular localization</b>	Golgi apparatus > Golgi stack membrane. Cell junction > synapse > postsynaptic cell membrane > postsynaptic density. Cytoplasm > perinuclear region. Cell membrane. Associated with Golgi stacks. Post-synaptic densities of dendrites, and in the pre-synaptic nerve terminal at neuromuscular junctions.

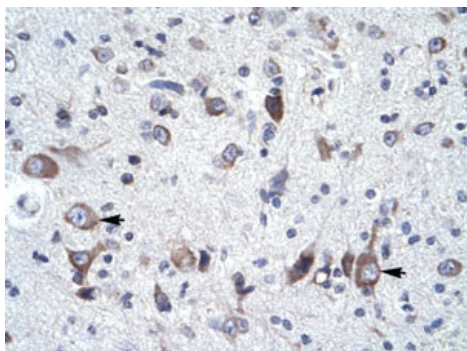
## Images



Anti-Frequenin antibody (ab105524) at 0.5 µg/ml + HepG2 cell lysate at 10 µg

**Predicted band size:** 22 kDa

Gel concentration: 12%



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human brain tissue labelling Frequenin with ab105524 at 4-8 $\mu$ g/ml. Arrows indicate positively labelled neural cells. Magnification: 400X.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Frequenin antibody (ab105524)

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