

Product datasheet

Anti-Frequenin antibody ab105524

[2 Images](#)

Overview

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

Properties

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

Function

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.

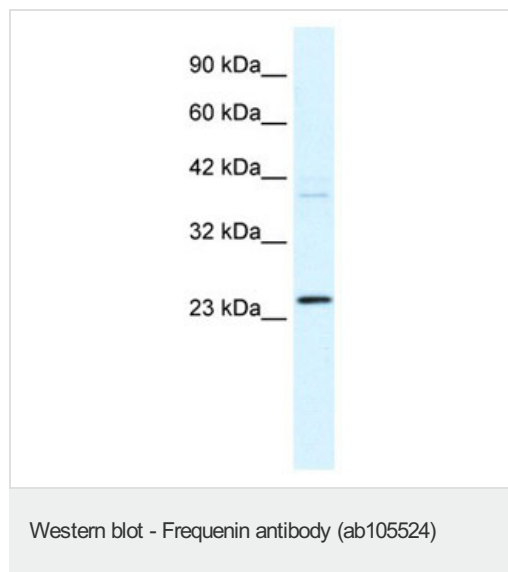
Sequence similarities

Belongs to the recoverin family.
Contains 4 EF-hand domains.

Cellular localization

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.

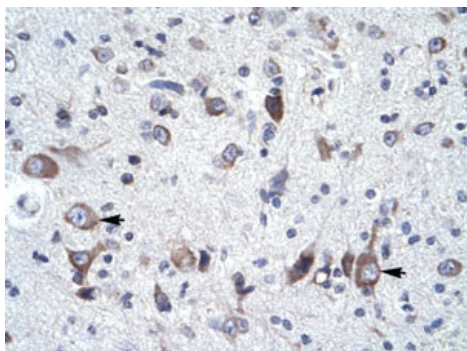
Images



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 4-8µg/ml. Arrows indicate positively labelled neural cells. Magnification: 400X.

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

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