

Product datasheet

Anti-Neurogranin antibody ab125316

1 Image

Overview

Product name	Anti-Neurogranin antibody
Description	Rabbit polyclonal to Neurogranin
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse, Rabbit, Goat, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Human
Immunogen	Synthetic peptide corresponding to a region within N terminal amino acids 6-55 (ESACSKPDDDDILDIPLDDPGANAAAAKIQASFRGHMARKKIKSGECGRKG) of Rat Neurogranin (NP_077054). Run BLAST with Run BLAST with
Positive control	Rat brain lysate

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Constituents: 97% PBS, 2% Sucrose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab125316** in the following tested applications.

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

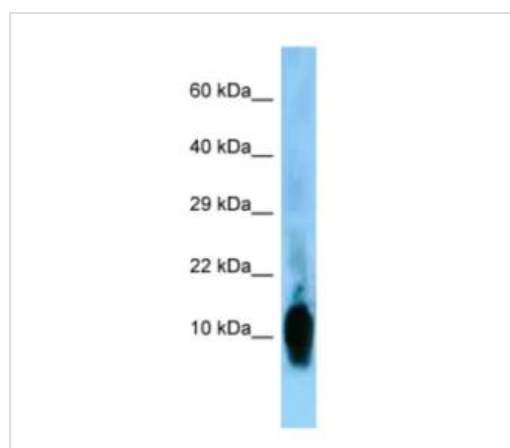
Application	Abreviews	Notes
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Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 8 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

Target

Function	Acts as a "third messenger" substrate of protein kinase C-mediated molecular cascades during synaptic development and remodeling. Binds to calmodulin in the absence of calcium.
Tissue specificity	In the cerebral cortex, found in the cell bodies of neurons in layers II-VI, and in apical and basal dendrites of pyramidal neurons. Is not found in the dendrites in patients with Alzheimer disease.
Sequence similarities	Belongs to the neurogranin family. Contains 1 collagen-like domain. Contains 1 IQ domain.

Images



Anti-Neurogranin antibody (ab125316) at 1 µg/ml + Rat brain lysate at 10 µg

Predicted band size: 8 kDa

Gel concentration 10-20%

Western blot - Anti-Neurogranin antibody (ab125316)

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