


Product datasheet

Anti-Neurogranin antibody ab125316

1 Image

Overview

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

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: 0.09% Sodium azide 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 **ab125316** in the following tested applications.

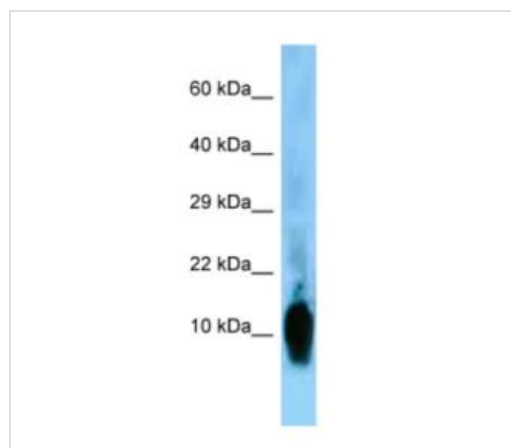
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
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

<b>Function</b>	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.
<b>Tissue specificity</b>	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.
<b>Sequence similarities</b>	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)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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