

Product datasheet

Anti-Apelin antibody [EPNCIR158] ab151565

Recombinant RabMAb

1 Image

Overview

Product name Anti-Apelin antibody [EPNCIR158]

Description Rabbit monoclonal [EPNCIR158] to Apelin

ⓘ This product is a [fast track antibody](#). It has been affinity purified and shows high titre values against the immunizing peptide by ELISA.

[Read the terms of use »](#)

Host species Rabbit

Specificity Apelin is a precursor protein that is cleaved into several different chains. Anti-Salcut-NH2 is one very specific form. ab151565 recognizes Apelin "salcut-NH2" amidated peptide (16 mer).

Species reactivity **Reacts with:** Human

Immunogen Synthetic peptide corresponding to Human Apelin.

General notes This antibody was developed as part of a collaboration between Epitomics, the National Cancer Institute's Center for Cancer Research and the lab of Frank F Cuttitta. [View antibodies from NCI Center for Cancer Research Collaboration.](#)

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.5% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPNCIR158
Isotype	IgG

Applications

Fast track antibodies constitute a diverse group of products that have been released to accelerate your research, but are not yet fully characterized. They have all been affinity purified and show high titre values against the immunizing peptide (by ELISA).

[Fast track terms of use](#)

Application	Abreviews	Notes
ELISA		1/5000 - 1/10000.

Target

Function	Endogenous ligand for APJ, an alternative coreceptor with CD4 for HIV-1 infection. Inhibits HIV-1 entry in cells coexpressing CD4 and APJ. Apelin-36 has a greater inhibitory activity on HIV infection than other synthetic apelin derivatives. The oral intake in the colostrum and the milk could have a role in the modulation of the immune responses in neonates. May also have a role in the central control of body fluid homeostasis by influencing AVP release and drinking behavior.
Tissue specificity	Expressed in the brain with highest levels in the frontal cortex, thalamus, hypothalamus and midbrain. Secreted by the mammary gland into the colostrum and the milk.
Sequence similarities	Belongs to the apelin family.
Post-translational modifications	Several active peptides may be produced by proteolytic processing of the peptide precursor.
Cellular localization	Secreted.

Images

This Fast-Track antibody is not yet fully characterised. These images represent **inconclusive preliminary data**.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Apelin antibody [EPNCIR158] (ab151565)

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

Terms and conditions

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