


Product datasheet

Anti-Cadherin 9 antibody [EPR5113] ab124803

Recombinant RabMAb

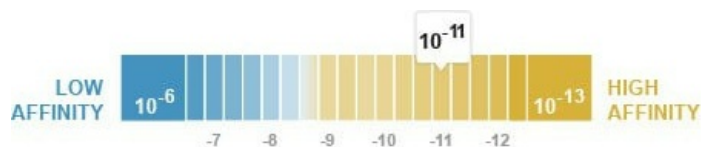
[1 Abreviews](#) [4 Images](#)

Overview

Product name	Anti-Cadherin 9 antibody [EPR5113]
Description	Rabbit monoclonal [EPR5113] to Cadherin 9
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Mouse, Human Predicted to work with: Rat 
Immunogen	Synthetic peptide within Human Cadherin 9 aa 750 to the C-terminus (intracellular). The exact sequence is proprietary.
Positive control	293T, U87-MG, Human testis, NIH/3T3 and Caco 2 lysates; Permeabilized 293T cells
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> - 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 .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
Dissociation constant (K_D)	K _D = 2.40 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR5113
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab124803 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

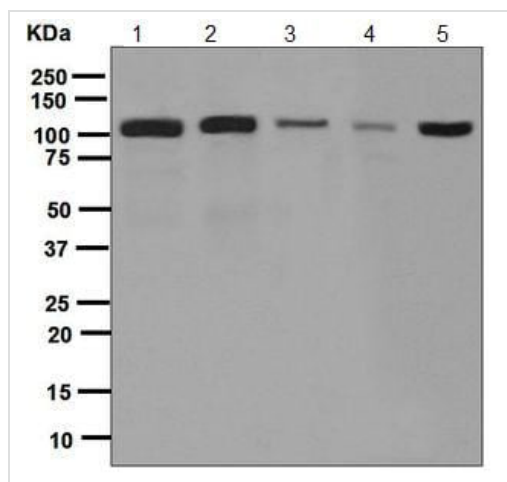
Application	Abreviews	Notes
Flow Cyt (Intra)		1/100 - 1/500. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Detects a band of approximately 110 kDa (predicted molecular weight: 88 kDa).

Application notes Is unsuitable for ICC/IF, IHC-P or IP.

Target

Function	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Sequence similarities	Contains 5 cadherin domains.
Domain	Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain.
Cellular localization	Cell membrane.

Images



Western blot - Anti-Cadherin 9 antibody [EPR5113]
(ab124803)

All lanes : Anti-Cadherin 9 antibody [EPR5113] (ab124803) at 1/1000 dilution

Lane 1 : 293T (Human embryonic kidney epithelial cell) cell lysate

Lane 2 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) cell lysate

Lane 3 : Human testis lysate

Lane 4 : NIH/3T3 cell lysate

Lane 5 : Caco-2 cell lysate

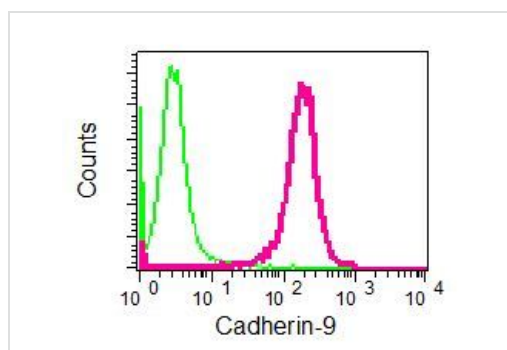
Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

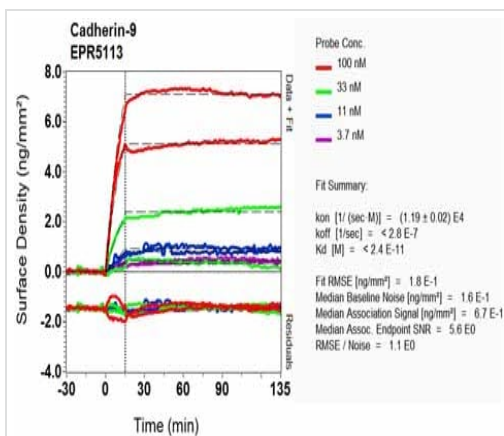
Predicted band size: 88 kDa

Observed band size: 110 kDa



Flow Cytometry (Intracellular) - Anti-Cadherin 9
antibody [EPR5113] (ab124803)

Intracellular flow cytometric analysis of permeabilized 293T cells using ab124803 at 1/100 dilution (red) or a rabbit IgG (negative) (green).



OIR-D Scanning - Anti-Cadherin 9 antibody
[EPR5113] (ab124803)

Equilibrium disassociation constant (K_D)

Learn more about K_D

[Click here to learn more about \$K_D\$](#)

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-Cadherin 9 antibody [EPR5113] (ab124803)

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

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