


Product datasheet

Anti-cadherin 10 antibody [EPR5115] α b134137

Recombinant RabMAb

[1 References](#) [3 Images](#)

Overview

Product name	Anti-cadherin 10 antibody [EPR5115]
Description	Rabbit monoclonal [EPR5115] to cadherin 10
Host species	Rabbit
Tested applications	Suitable for: Flow Cyt (Intra), WB Unsuitable for: ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide within Human cadherin 10 aa 750-850. The exact sequence is proprietary. (Peptide available as ab185240)
Positive control	Human fetal brain, fetal lung and U-87 MG; permeabilized U-87 MG cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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 <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at -20°C.
Storage buffer	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR5115
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab134137 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

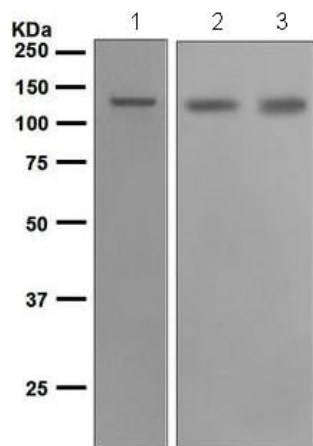
Application	Abreviews	Notes
Flow Cyt (Intra)		1/10 - 1/100. ab172730 - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
WB		1/1000 - 1/10000. Predicted molecular weight: 88 kDa.Can be blocked with cadherin 10 peptide (ab185240) .

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.
Tissue specificity	Predominantly expressed in brain. Also found in adult and fetal kidney. Very low levels detected in prostate and fetal lung.
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 10 antibody [EPR5115]
(ab134137)

All lanes : Anti-cadherin 10 antibody [EPR5115] (ab134137) at
1/1000 dilution

Lane 1 : Human fetal brain lysate

Lane 2 : U-87 MG lysate

Lane 3 : Human fetal lung lysate

Lysates/proteins at 10 µg per lane.

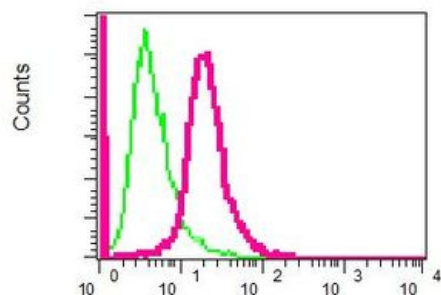
Secondary

All lanes : Goat Anti-rabbit HRP at 1/2000 dilution

Predicted band size: 88 kDa

Observed band size: 115-130 kDa

The expression profile observed is consistent with what has been
described in the literature PMID: 16181616



Flow Cytometry (Intracellular) - Anti-cadherin 10
antibody [EPR5115] (ab134137)

Intracellular flow cytometric analysis of permeabilised U-87 MG cells
labelling cadherin 10 with ab134137 at 1/10 dilution (red) or rabbit
IgG negative (green).

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 10 antibody [EPR5115] (ab134137)

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

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