

Anti-LI Cadherin antibody [EPR3996] ab109190

重组 RabMAb

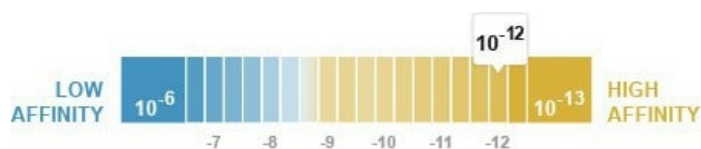
12 图像

概述

产品名称	Anti-LI Cadherin抗体[EPR3996]
描述	兔单克隆抗体[EPR3996] to LI Cadherin
宿主	Rabbit
经测试应用	适用于: WB, IHC-P 不适用于: Flow Cyt, ICC/IF or IP
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human small intestine, Human colon cancer, and HT-29 cell lysates. Human LoVo, small intestine and colon lysates. IHC-P: Human colon and Human colonic adenocarcinoma tissues
常规说明	<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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
解离常数 (K_D)	K _D = 2.90 x 10 ⁻¹² M



[Learn more about K_D](#)

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 0.05% BSA, 40% Glycerol (glycerin, glycerine), 59% PBS
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR3996
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab109190 于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

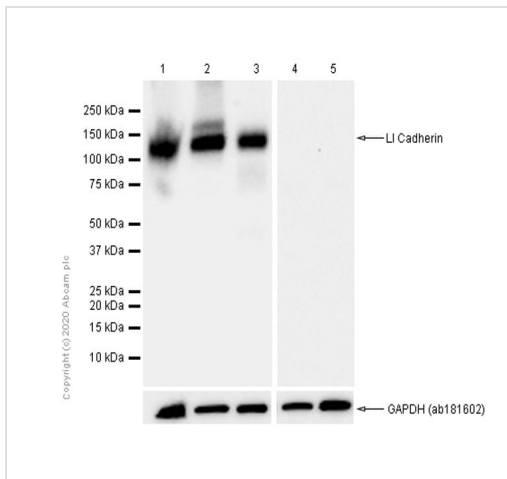
应用	Ab评论	说明
WB		1/1000 - 1/10000. Detects a band of approximately 120 kDa (predicted molecular weight: 92 kDa).
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

应用说明 Is unsuitable for Flow Cyt, ICC/IF or IP.

靶标

功能	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. LI-cadherin may have a role in the morphological organization of liver and intestine. Involved in intestinal peptide transport.
组织特异性	Expressed in the gastrointestinal tract and pancreatic duct. Not detected in kidney, lung, liver, brain, adrenal gland and skin.
序列相似性	Contains 7 cadherin domains.
细胞定位	Cell membrane.

图片



Western blot - Anti-LI Cadherin antibody [EPR3996] (ab109190)

Lanes 1-3 : Anti-LI Cadherin antibody [EPR3996] (ab109190) at 1/1000 dilution (Purified)

Lanes 4-5 : Anti-LI Cadherin antibody [EPR3996] (ab109190) at 1/1000 dilution

Lane 1 : LoVo (Human colorectal adenocarcinoma epithelial cell) whole cell lysate

Lane 2 : Human small intestine lysate

Lane 3 : Human colon lysate

Lane 4 : Human spleen lysate

Lane 5 : Human kidney lysate

Lysates/proteins at 20 µg per lane.

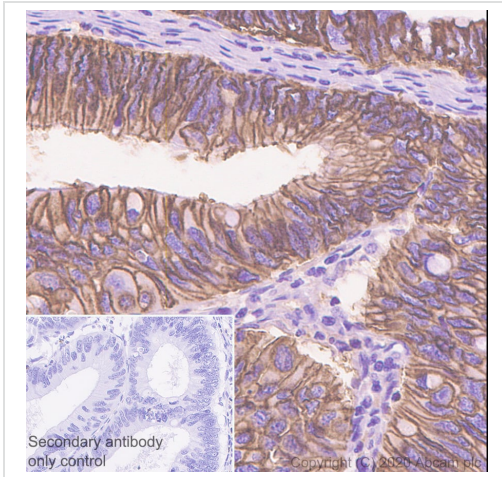
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 92 kDa

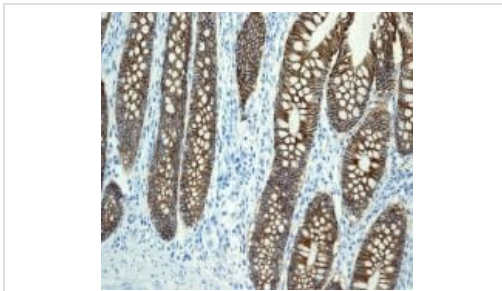
Observed band size: 120 kDa

The expression profile and molecular weight observed are consistent with what has been described in the literature (PMID: 18552820).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer tissue sections labeling LI Cadherin with purified ab109190 at 1/300 dilution (0.48 $\mu\text{g}/\text{mL}$). Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0). Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

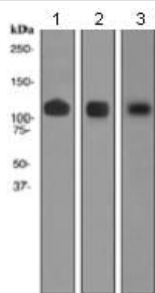
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)



Immunohistochemical staining of paraffin-embedded Human colon tissue using ab109190 at a dilution of 1/250.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)



Western blot - Anti-LI Cadherin antibody [EPR3996] (ab109190)

All lanes : Anti-LI Cadherin antibody [EPR3996] (ab109190) at 1/1000 dilution

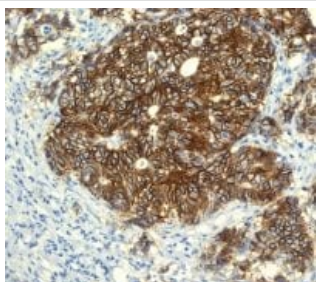
Lane 1 : Human small intestine cell lysate

Lane 2 : Human colon cancer cell lysate

Lane 3 : HT-29 cell lysate

Lysates/proteins at 10 µg per lane.

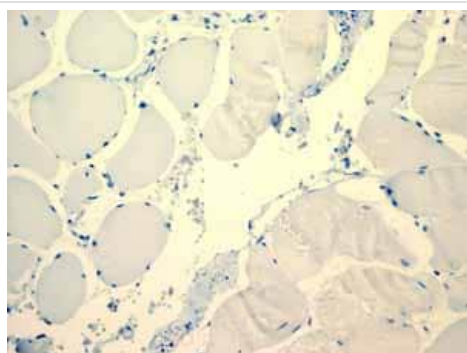
Predicted band size: 92 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)

Immunohistochemical staining of paraffin-embedded Human colonic adenocarcinoma tissue using ab109190 at a dilution of 1/250.

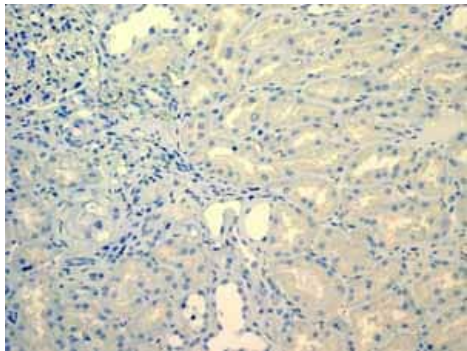
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)

ab109190 showing negative staining in Skeletal muscle tissue.

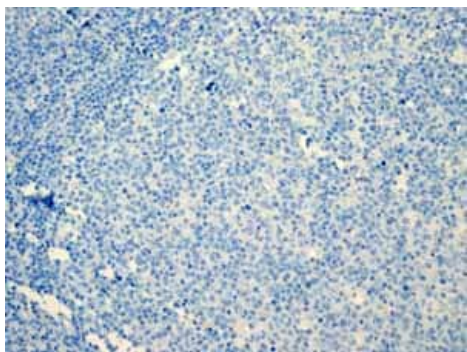
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-L1 Cadherin antibody [EPR3996] (ab109190)

ab109190 showing negative staining in Normal kidney tissue.

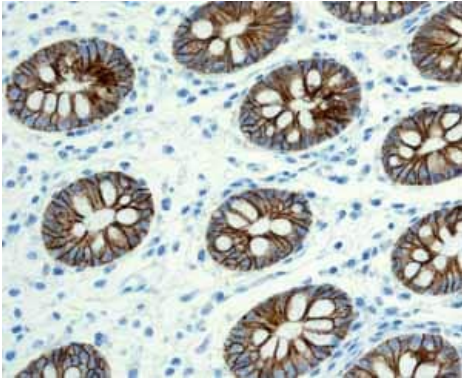
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-L1 Cadherin antibody [EPR3996] (ab109190)

ab109190 showing negative staining in Normal tonsil tissue.

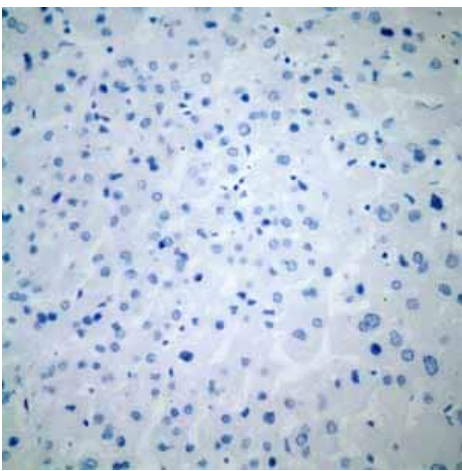
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)

ab109190 showing positive staining in Normal colon tissue.

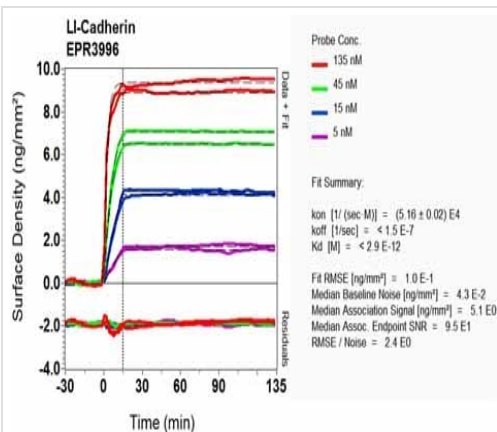
Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-LI Cadherin antibody [EPR3996] (ab109190)

ab109190 showing negative staining in Normal brain tissue.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



OIR-D Scanning - Anti-LI Cadherin antibody [EPR3996] (ab109190)

Equilibrium dissociation 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-L1 Cadherin antibody [EPR3996] (ab109190)

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