abcam

Product datasheet

Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] ab178454

重组　RabMab

★★★★☆ **1 Abreviews**　**9 References**　7 图像

概述

产品名称	Anti-Endothelin A Receptor/ET-A抗体[UMB-8-37-1]
描述	兔单克隆抗体[UMB-8-37-1] to Endothelin A Receptor/ET-A
宿主	Rabbit
经测试应用	**适用于:** IHC-P, WB
种属反应性	**与反应:** Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Mouse heart and lung tissue lysates; IHC-P: Mouse and rat cardiac muscle and human placenta tissue.
常规说明	This product has switched from a hybridoma to recombinant production method on 9th September 2020.
	The epitope recognized by the UMB-8-37-1 monoclonal contains phosphorylation sites that affect signal in Western blot after treatment with endothelin. Phosphatase treatment may be required prior to Western blot in order to improve signal (PubMed ID 25708416).
	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**.
	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**.

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.
存储溶液	pH: 7.40

Preservative: 0.01% Sodium azide

Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

Some batches contain 6.97% L-Arginine as a stabilizing agent. For lot-specific buffer information, please contact our Scientific Support team.

纯度	Protein A purified
克隆	单克隆
克隆编号	UMB-8-37-1
同种型	IgG

应用

The Abpromise guarantee　　**Abpromise™承诺保证使用ab178454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。

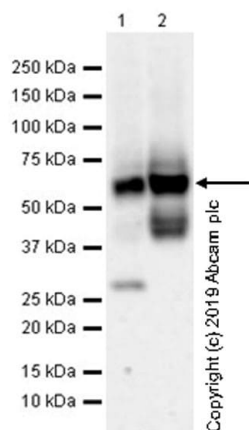| 应用	Ab评论	说明
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000. Predicted molecular weight: 40-70 kDa.

靶标

功能	Receptor for endothelin-1. Mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. The rank order of binding affinities for ET-A is: ET1 > ET2 >> ET3.
组织特异性	Isoform 1, isoform 3 and isoform 4 are expressed in a variety of tissues, with highest levels in the aorta and cerebellum, followed by lung, atrium and cerebral cortex, lower levels in the placenta, kidney, adrenal gland, duodenum, colon, ventricle and liver but no expression in umbilical vein endothelial cells. Within the placenta, isoform 1, isoform 2, isoform 3 and isoform 4 are expressed in the villi and stem villi vessels.
序列相似性	Belongs to the G-protein coupled receptor 1 family. Endothelin receptor subfamily. EDNRA sub-subfamily.
细胞定位	Cell membrane.

图片

Western blot - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

All lanes : Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454) at 1/1000 dilution

Lane 1 : Mouse heart lysate

Lane 2 : Mouse lung lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution

Developed using the ECL technique.
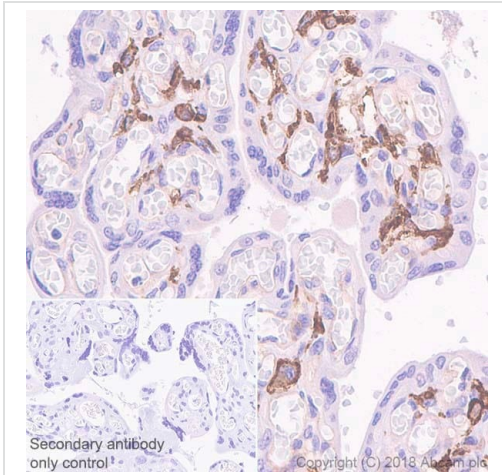
Performed under reducing conditions.

Predicted band size: 40-70 kDa

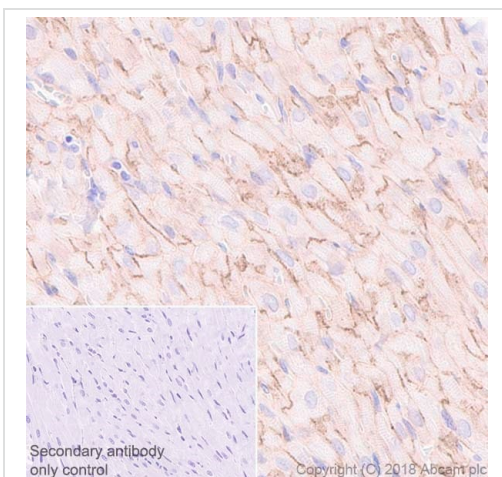**Observed band size:** 40-70 kDa

Exposure time: 26 seconds

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

The observed molecular weight is consistent with what has been described in the literature (PMID: 25708416).
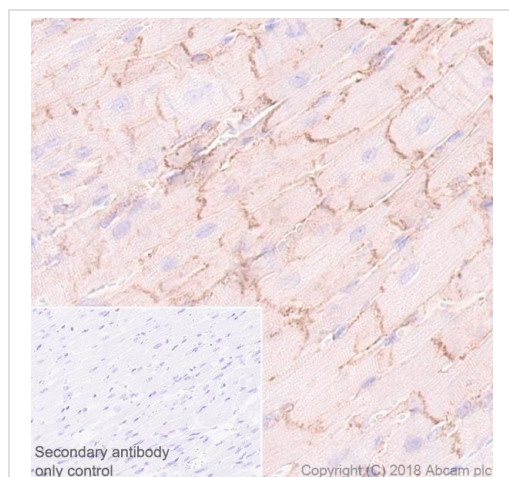
Immunohistochemical analysis of paraffin-embedded human placenta tissue labeling Endothelin A Receptor/ET-A with ab178454 at 1/100 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Counterstained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP). Perform heat mediated antigen retrieval using Tris/EDTA buffer (pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)
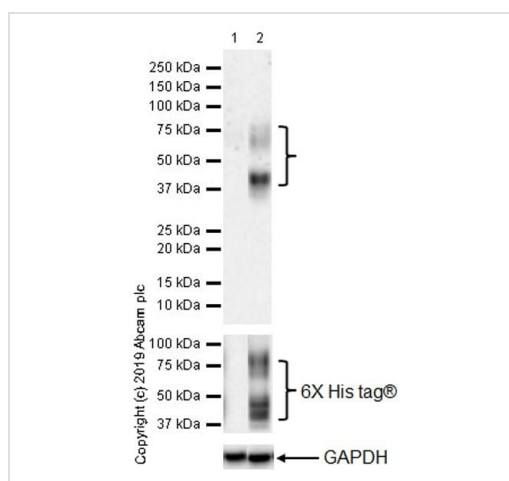

Immunohistochemical analysis of paraffin-embedded rat cardiac muscle tissue labeling Endothelin A Receptor/ET-A with ab178454 at 1/100 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Counterstained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP). Perform heat mediated antigen retrieval using Tris/EDTA buffer (pH 9.0).

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

Immunohistochemical analysis of paraffin-embedded mouse cardiac muscle tissue labeling Endothelin A Receptor/ET-A with ab178454 at 1/100 dilution, followed by a ready to use Goat Anti-Rabbit IgG H&L (HRP). Counterstained with hematoxylin. Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is a ready to use Goat Anti-Rabbit IgG H&L (HRP). Perform heat mediated antigen retrieval using Tris/EDTA buffer (pH 9.0).

Western blot - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

All lanes : Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454) at 1/1000 dilution

Lane 1 : HEK-293 (human embryonic kidney) transfected with an empty vector (vector control), containing a myc-His-tag®, whole cell lysate

Lane 2 : HEK-293 transfected with Endothelin A Receptor/ET-A (WT) expression vector containing a myc-His-tag® , whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/100000 dilution
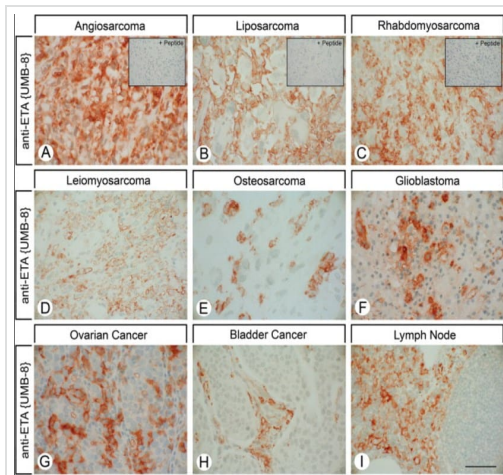
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 40-70 kDa
Observed band size: 40-80 kDa

Exposure time: 3 minutes

Blocking and diluting buffer and concentration: 5% NFDM/TBST.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

Lupp A et al., Peptides, 66, 19-25, Fig 3,; doi: 10.1016/j.peptides.2015.02.005. With permission from Elsevier

Immunohistochemical localization of ETA in human normal lymph node (I) and in neoplastic tissues (A–H) using ab178454. For more protocol information please see PMID: 25708416.

Image generated from hybridoma version of ab178454

Anti-Endothelin A Receptor/ET-A antibody [UMB-8-37-1] (ab178454)

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