

Product datasheet

Anti-EGFL7 antibody [EPR22603-113] ab256451

Recombinant RabMAb

5 Images

Overview

Product name	Anti-EGFL7 antibody [EPR22603-113]
Description	Rabbit monoclonal [EPR22603-113] to EGFL7
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF Unsuitable for: Flow Cyt or IP
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Human placenta lysate. HUVEC whole cell lysate. IHC-P: Human pancreas and placenta tissue. ICC/IF: HUVEC 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 +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22603-113

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab256451 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
WB		1/1000.
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/50.

Application notes

Is unsuitable for Flow Cyt or IP.

Target

Function

Regulates vascular tubulogenesis in vivo. Inhibits platelet-derived growth factor (PDGF)-BB-induced smooth muscle cell migration and promotes endothelial cells adhesion to the substrate in vitro.

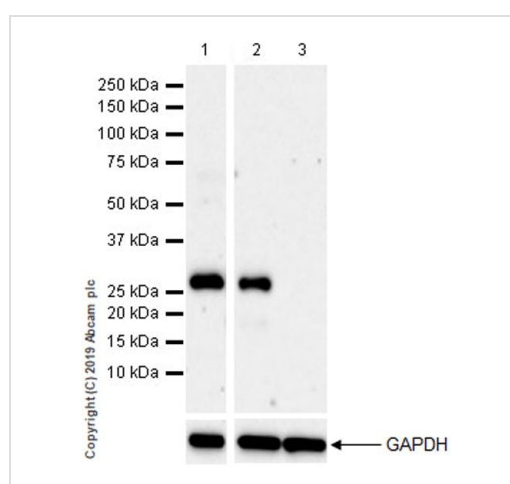
Sequence similarities

Contains 2 EGF-like domains.
Contains 1 EMI domain.

Cellular localization

Secreted.

Images



Western blot - Anti-EGFL7 antibody [EPR22603-113] (ab256451)

All lanes : Anti-EGFL7 antibody [EPR22603-113] (ab256451) at 1/1000 dilution

Lane 1 : Human placenta lysate

Lane 2 : HUVEC (human umbilical vein endothelial cell) whole cell lysate

Lane 3 : Jurkat (human t cell leukemia t lymphocyte) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

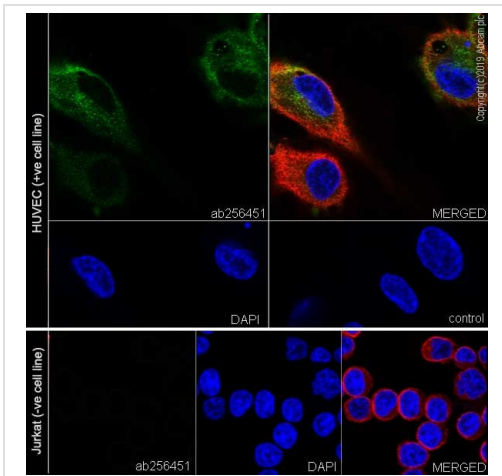
Observed band size: 30 kDa

The molecular weight observed is consistent with what has been described in the literature (PMID: 18497746).

Negative control: Jurkat (PMID: 15162510).

Exposure time: 3 minutes.

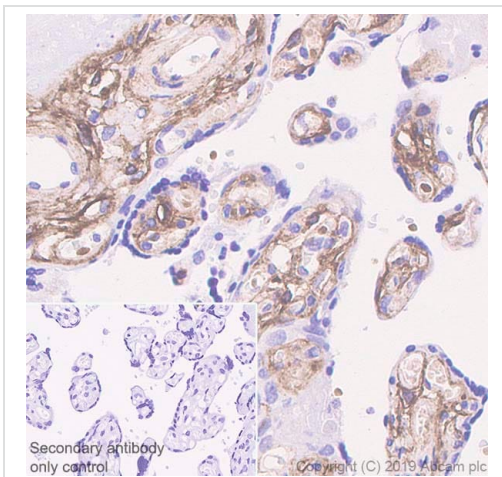
Blocking and Diluting Buffer and concentration: 5% NFDM/TBST.



Immunocytochemistry/ Immunofluorescence - Anti-EGFL7 antibody [EPR22603-113] (ab256451)

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HUVEC (Human umbilical vein endothelial cell) cells labeling EGFL7 with ab256451 at 1/50, (10 µg/ml), followed by **ab150077** AlexaFluor[®]488 Goat anti-Rabbit secondary antibody at 1/1000 dilution (Green). Confocal image showing cytoplasmic staining in HUVEC cells. Negative control: Jurkat (PMID: 15162510). **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor[®] 594) was used to counterstain tubulin at 1/200 dilution (Red). The nuclear counterstain was DAPI (Blue).

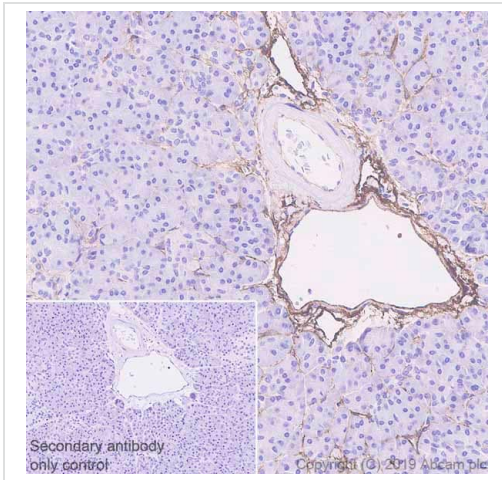
Secondary antibody only control: Secondary antibody is **ab150077** AlexaFluor[®]488 Goat anti-Rabbit secondary at 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EGFL7 antibody [EPR22603-113] (ab256451)

Immunohistochemical analysis of paraffin-embedded human placenta tissue labeling EGFL7 with ab256451 at 1/500 dilution (1.12 µg/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on human placenta (PMID: 24751645) is observed. The section was incubated with ab256451 for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND[®] RX instrument. Counterstained with hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-EGFL7 antibody [EPR22603-113] (ab256451)

Immunohistochemical analysis of paraffin-embedded human pancreas tissue labeling EGFL7 with ab256451 at 1/500 dilution (1.12 ug/ml) followed by a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**). Positive staining on blood vessels in human pancreas (PMID: 18497746) is observed. The section was incubated with ab256451 for 30 mins at RT. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Counterstained with hematoxylin. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.

Secondary antibody only control: Secondary antibody is a ready to use Rabbit specific IHC polymer detection kit HRP/DAB (**ab209101**).

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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

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