

Product datasheet

Anti-Angiopoietin 1 antibody [EPR2888(N)] ab183701

Recombinant RabMAb

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

Overview

Product name	Anti-Angiopoietin 1 antibody [EPR2888(N)]
Description	Rabbit monoclonal [EPR2888(N)] to Angiopoietin 1
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: U87-MG, HeLa, C6, RAW 264.7, K562, and ECV-304 cell lysates.
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	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol, 0.05% BSA, 59% PBS</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR2888(N)
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183701 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		1/10000 - 1/50000. Detects a band of approximately 70 kDa (predicted molecular weight: 57 kDa).

Target

Function

Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the heart early development.

Sequence similarities

Contains 1 fibrinogen C-terminal domain.

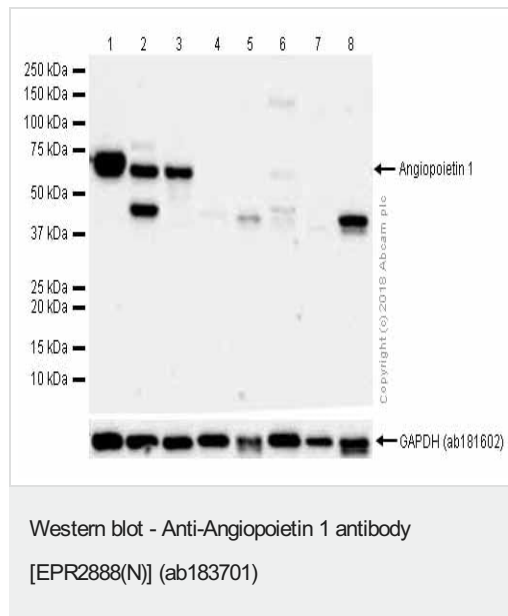
Post-translational modifications

Glycosylated.

Cellular localization

Secreted.

Images



All lanes : Anti-Angiopoietin 1 antibody [EPR2888(N)] (ab183701) at 1/10000 dilution (Purified)

Lane 1 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell) whole cell lysates

Lane 2 : C6 (Rat glial tumor glial cell) whole cell lysates

Lane 3 : RAW 264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

Lane 4 : Human brain lysates

Lane 5 : Mouse brain lysates

Lane 6 : Rat brain lysates

Lane 7 : Human heart lysates

Lane 8 : Mouse heart lysates

Lysates/proteins at 20 µg per lane.

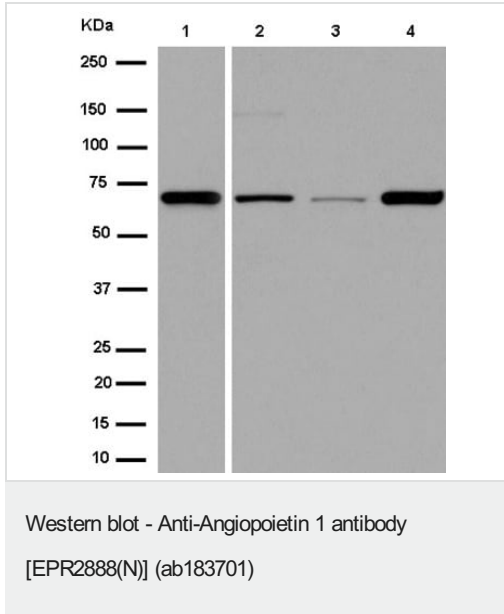
Secondary

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

Predicted band size: 57 kDa

Observed band size: 70 kDa

This antibody is unsuitable to detect tissue lysate samples.



All lanes : Anti-Angiopoietin 1 antibody [EPR2888(N)] (ab183701)
at 1/50000 dilution

Lane 1 : U87-MG cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : K562 cell lysate

Lane 4 : ECV-304 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 57 kDa

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-Angiopoietin 1 antibody [EPR2888(N)]
(ab183701)

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

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