

## Product datasheet

# Anti-Angiopoietin 2/ANG2 antibody ab125692

[1 References](#) [1 Image](#)

### Overview

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<b>Product name</b>	Anti-Angiopoietin 2/ANG2 antibody
<b>Description</b>	Rabbit polyclonal to Angiopoietin 2/ANG2
<b>Host species</b>	Rabbit
<b>Specificity</b>	At least three isoforms of ANGPT2 are known to exist; this antibody will detect all three isoforms.
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Synthetic peptide corresponding to Human Angiopoietin 2/ANG2 (C terminal). (Peptide available as <a href="#">ab172727</a> )
<b>Positive control</b>	WB: Human Liver Tissue Lysate.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.02% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab125692 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		Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 56 kDa.

## Target

### Function

Can induce tyrosine phosphorylation of TIE2. Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal.

### Sequence similarities

Contains 1 fibrinogen C-terminal domain.

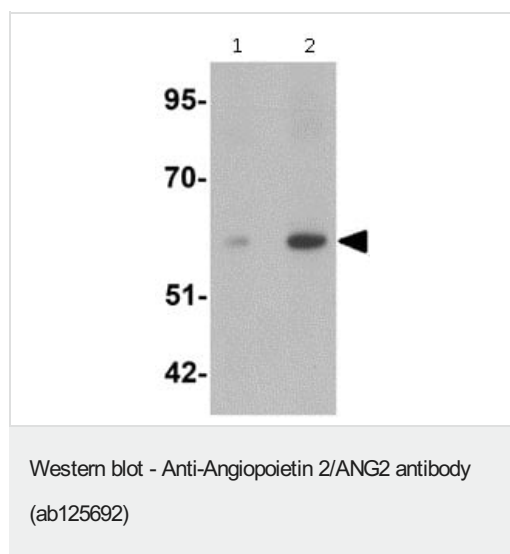
### Domain

The Fibrinogen C-terminal domain mediates interaction with the TEK/TIE2 receptor.

### Cellular localization

Secreted.

## Images



**Lane 1** : Anti-Angiopoietin 2/ANG2 antibody (ab125692) at 1 µg/ml

**Lane 2** : Anti-Angiopoietin 2/ANG2 antibody (ab125692) at 2 µg/ml

**All lanes** : Human liver tissue lysate

Lysates/proteins at 15 µg per lane.

**Predicted band size:** 56 kDa

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

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

### **Terms and conditions**

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors