




Product datasheet

Anti-Angiopoietin 1 antibody ab133425

★★★★★ 1 Abreviews 6 References 2 Images

Overview

| | |
|----------------------------|--|
| Product name | Anti-Angiopoietin 1 antibody |
| Description | Goat polyclonal to Angiopoietin 1 |
| Host species | Goat |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Rat, Human Predicted to work with: Mouse, Dog, Pig, a wide range of other species  |
| Immunogen | Synthetic peptide corresponding to Human Angiopoietin 1 aa 76-85 (internal sequence) (Cysteine residue). Sequence: C-PDFSSQKLQH Database link: Q15389  Run BLAST with  Run BLAST with |
| Positive control | Human lung, respiratory epithelium tissue; Transfected HEK293 lysate. |
| General notes | 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. 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&As |

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. |
| Storage buffer | pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA |
| Purity | Immunogen affinity purified |

| | |
|------------------|------------|
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

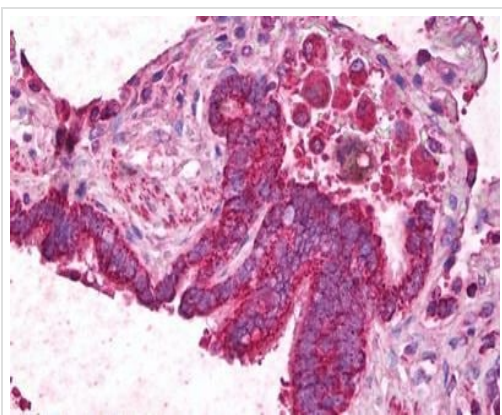
The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab133425 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|--------------|-----------|--|
| WB | | Use a concentration of 1 - 2 µg/ml. Predicted molecular weight: 57 kDa. |
| IHC-P | ★★★★★ (1) | Use a concentration of 2.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. |

Target

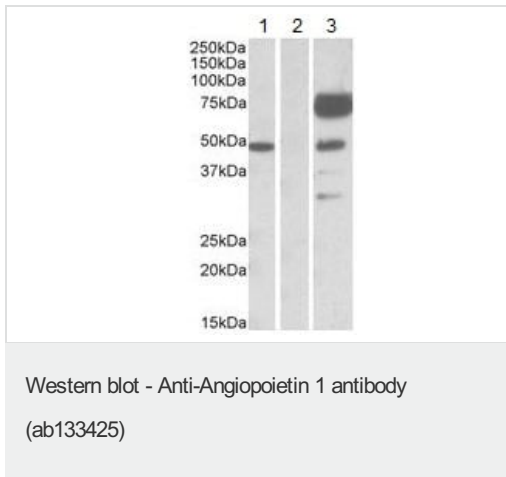
| | |
|---|--|
| Function | Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix 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



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human lung, respiratory epithelium tissue labelling Angiopoietin 1 with ab133425 antibody at 2.5µg/ml, followed by biotinylated secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Angiopoietin 1 antibody (ab133425)



Lane 1 : Anti-Angiopoietin 1 antibody (ab133425) at 1 µg/ml

Lane 2 : Anti-Angiopoietin 1 antibody (ab133425) at 1 mg/ml

Lane 3 : anti-DYKDDDDK Tag antibody at 1/1000 dilution

Lanes 1 & 3 : HEK293 lysate, overexpressing Human Angiopoietin 1 with DYKDDDDK tag

Lane 2 : HEK293 lysate, mock-transfected

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Predicted band size: 57 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

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