




Product datasheet

Anti-Angiopoietin 1 antibody ab133425

★★★★★ [1 Abreviews](#) [10 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 <div>  Run BLAST with  Run BLAST with </div>
Positive control	Human lung, respiratory epithelium tissue; Transfected HEK293 lysate.
General notes	<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&As</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.
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

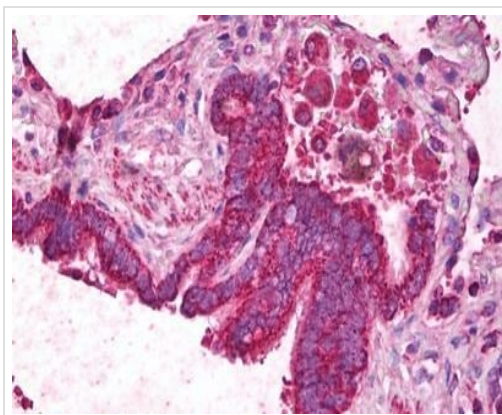
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab133425 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

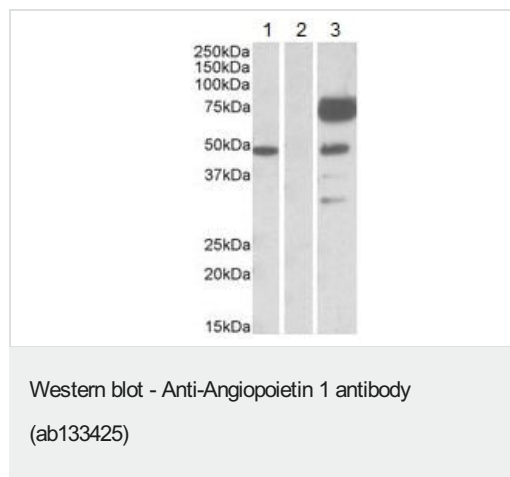
Function	Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme.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

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