



[Go to Product page](#)

Datasheet for ABIN7144092

## anti-Angiopoietin 2 antibody (AA 19-485)

### 3 Images

#### Overview

Quantity:	100 µg
Target:	Angiopoietin 2 (ANGPT2)
Binding Specificity:	AA 19-485
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiopoietin 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### Product Details

Immunogen:	Recombinant Human Angiopoietin-2 protein (19-485AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	>95%, Protein G purified

#### Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	ANGPT2 ( <a href="#">ANGPT2 Products</a> )
Background:	Background: Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of

## Target Details

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ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-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.

Aliases: AGPT 2 antibody, Agpt2 antibody, ANG 2 antibody, ANG-2 antibody, ANG2 antibody, Angiotensin 2 antibody, Angiotensin 2B antibody, Angiotensin-2 antibody, Angiotensin2 antibody, ANGP2\_HUMAN antibody, ANGPT 2 antibody, Angpt2 antibody, Tie2 ligand antibody

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UniProt: [O15123](#)

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Pathways: [RTK Signaling](#)

## Application Details

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Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:500-1:1000,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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Preservative: ProClin

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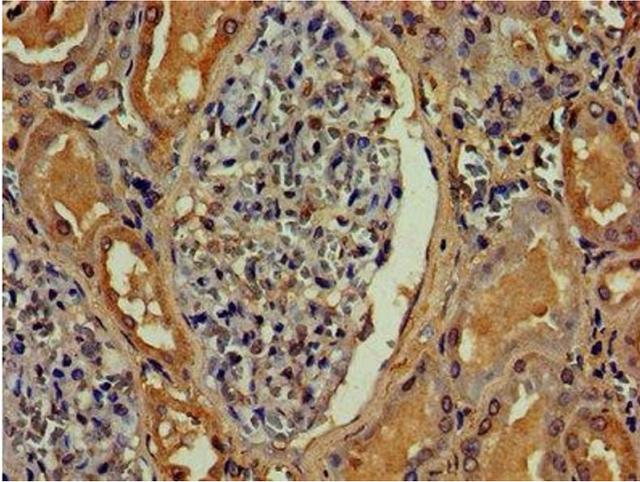
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

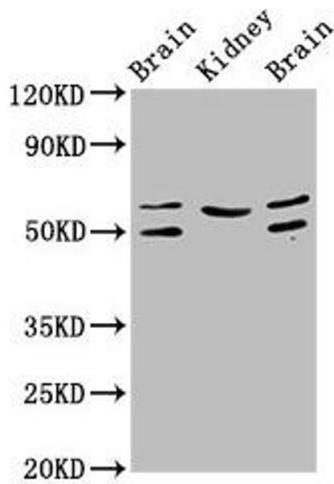
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



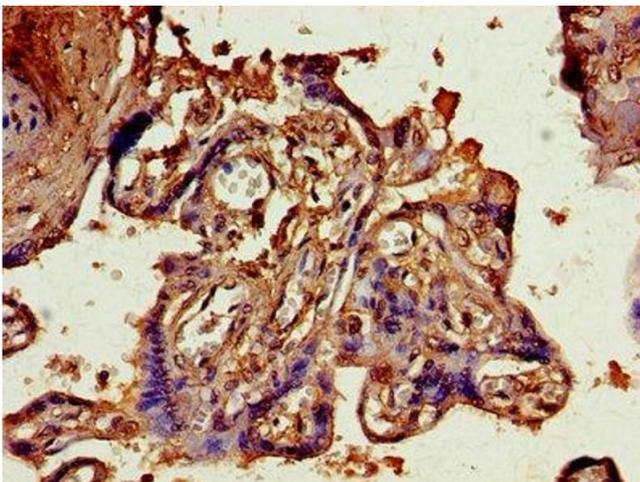
### Immunohistochemistry

**Image 1.** IHC image of ABIN7144092 diluted at 1:800 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Rat brain tissue, Rat kidney tissue, Mouse brain tissue All lanes: ANGPT2 antibody at 3.2 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 57, 51 kDa Observed band size: 57, 51 kDa



### Immunohistochemistry

**Image 3.** IHC image of ABIN7144092 diluted at 1:800 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.