

Nur für Forschungszwecke

# Angiopoietin 1 Polyklonaler Antikörper



Katalog-Nr.: 23302-1-AP

Vorgestelltes Produkt

21 Publikationen

## Allgemeine Informationen

|  |  |   |
|--|--|---|
| <b>Katalog-Nr.:</b><br>23302-1-AP                              | <b>GenBank-Zugangsnummer:</b><br>BC152411    | <b>Reinigungsmethode:</b><br>Antigen-Affinitätsreinigung                              |
| <b>Größe:</b><br>150ul, Konzentration: 500 µg/ml von Nanodrop; | <b>GeneID (NCBI):</b><br>284                 | <b>Empfohlene Verdünnungen:</b><br>WB 1:500-1:2000<br>IHC 1:50-1:500<br>IF 1:50-1:500 |
| <b>Wirt:</b><br>Kaninchen                                      | <b>Vollständiger Name:</b><br>angiopoietin 1 |   |
| <b>Isotyp:</b><br>IgG  | <b>Berechnete Masse:</b><br>498 aa, 58 kDa   |   |
| <b>Immunogen Katalognummer:</b><br>AG18829                     | <b>Beobachtete Masse:</b><br>70 kDa          |   |

## Anwendungen

### Geprüfte Anwendungen:

IF, IHC, WB, ELISA

### In Publikationen genannte Anwendungen:

IF, WB

### Getestete Reaktivität:

Human, Maus, Ratte

### Zitierte Arten:

Human, Maus, Ratte

**Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (\*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.**

### Positivkontrollen:

**WB:** HUVEC-Zellen, A375-Zellen, C6-Zellen, HeLa-Zellen, HepG2-Zellen, K-562-Zellen, Mausherzgewebe, Mauslebergewebe, Rattenherzgewebe, U-87 MG-Zellen

**IHC:** Mausherzgewebe,

**IF:** HeLa-Zellen,

## Hintergrundinformationen

Angiopoietin 1 is a 70-kDa secreted glycoprotein generated from vascular mural cells, pericytes, and certain other cells. Angiopoietin 1 participates in vascular differentiation through angiogenesis, which is the process of the growth and remodelling of existing vessels. Angiopoietin 1 is also involved in the maintenance and turnover of blood vessels in mature animals. Angiopoietin 1 binds to and activates the TEK/TIE2 receptor by inducing its dimerization and tyrosine phosphorylation, playing an important role in the regulation of angiogenesis. Overexpression of Angiopoietin 1 has been proven to occur in malignant glioblastoma, neuroblastoma, non-small cell lung cancer, and other tumors.

## Bemerkenswerte Veröffentlichungen

| Verfasser   | Pubmed ID | Journal            | Anwendung |
|-------------|-----------|--------------------|-----------|
| Su-Wei Hu   | 36155178  | Life Sci           | WB        |
| Daohai Qian | 30359310  | Stem Cell Res Ther | WB        |
| Yu Wang     | 29061393  | Neurosci Lett      | WB        |

## Lagerung

### Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

### Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

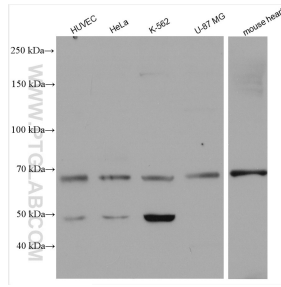
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

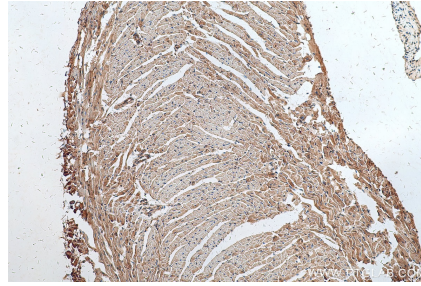
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

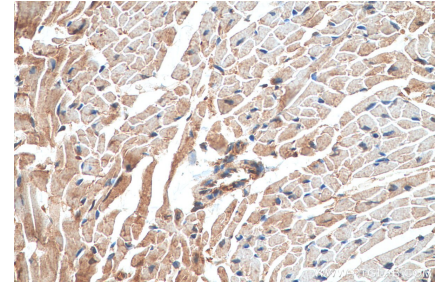
## Ausgewählte Validierungsdaten



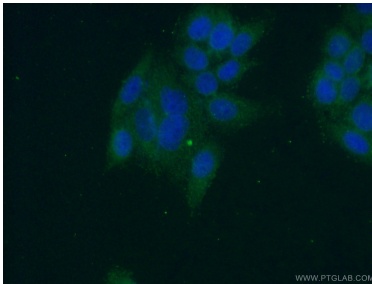
Various lysates were subjected to SDS PAGE followed by western blot with 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using 23302-1-AP (Angiopoietin 1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).