

Datasheet for ABIN6259925

anti-Angiopoietin 2 antibody (N-Term)[2 Images](#)[2 Publications](#)[Go to Product page](#)

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | Angiopoietin 2 (ANGPT2) |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This Angiopoietin 2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human Angiopoietin 2, corresponding to a region within N-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | Angiopoietin 2 Antibody detects endogenous levels of total Angiopoietin 2. |
| Predicted Reactivity: | Pig |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|---------|-------------------------|
| Target: | Angiopoietin 2 (ANGPT2) |
|---------|-------------------------|

Target Details

| | |
|-------------------|--|
| Alternative Name: | ANGPT2 (ANGPT2 Products) |
| Background: | <p>Description: 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 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.</p> <p>Gene: ANGPT2</p> |
| Molecular Weight: | 57 kDa |
| Gene ID: | 285 |
| UniProt: | O15123 |
| Pathways: | RTK Signaling |

Application Details

| | |
|--------------------|---|
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

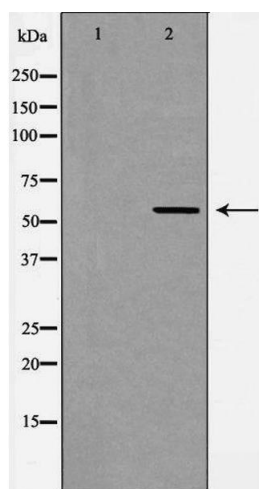
Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |

Publications

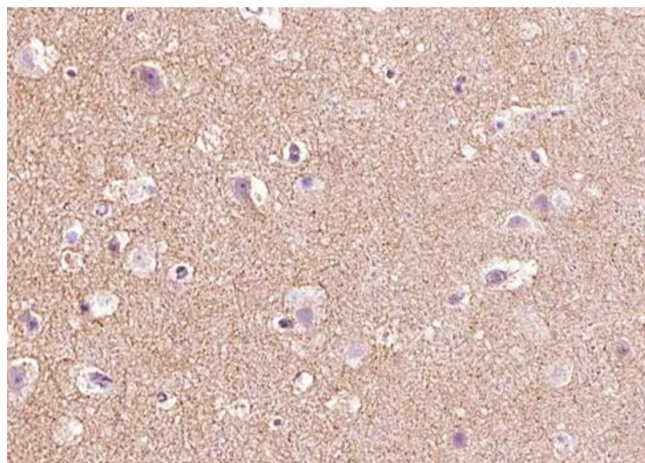
- Product cited in: Wu, Hu, Yin, Li, Zhang: "[Dose and timing of normal saline resuscitation on endothelial glycocalyx in early septic shock]." in: **Zhonghua wei zhong bing ji jiu yi xue**, Vol. 30, Issue 7, pp. 629-634, (2018) ([PubMed](#)).
- Chen, Chen, Xu, Zhong, Zhang, Yang, Huang: "Electroacupuncture facilitates implantation by enhancing endometrial angiogenesis in a rat model of ovarian hyperstimulation." in: **Biology of reproduction**, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western blot analysis of ANG 2 Antibody expression in Rat kidney tissue lysates. The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 2. ABIN6268670 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.