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Datasheet for ABIN6259925

## anti-Angiotensin 2 antibody (N-Term)

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### Overview

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

### Product Details

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

### Target Details

Target:	Angiotensin 2 (ANGPT2)
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## Target Details

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Alternative Name:	<a href="#">ANGPT2 (ANGPT2 Products)</a>
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:	<a href="#">O15123</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

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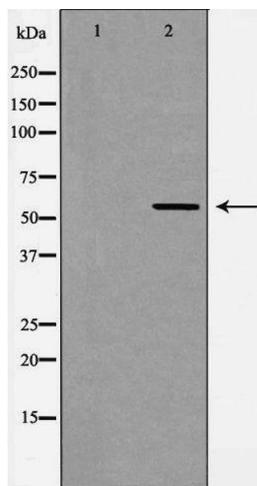
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained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

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](#)).

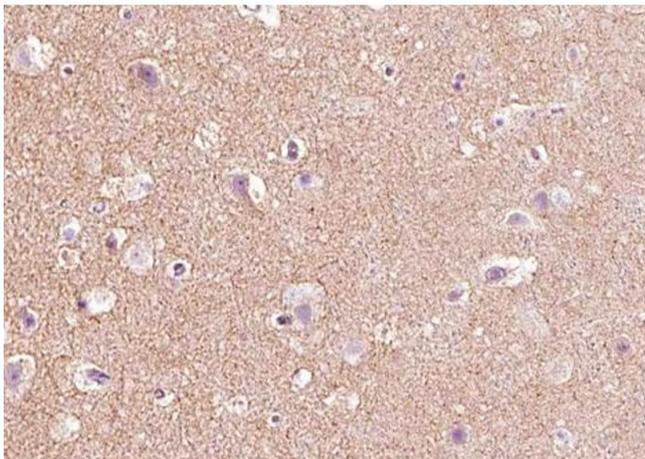
Chen, Chen, Xu, Zhong, Zhang, Yang, Huang: "Electroacupuncture facilitates implantation by enhancing endometrial angiogenesis in a rat model of ovarian hyperstimulation." in: **Biology of reproduction**, (2018) ([PubMed](#)).

## 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.