

Datasheet for ABIN3043724
anti-Angiopoietin 1 antibody (AA 16-350)



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2 Images

1 Publication

Overview

Quantity:	100 µg
Target:	Angiopoietin 1 (ANGPT1)
Binding Specificity:	AA 16-350
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiopoietin 1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Angiopoietin-1(ANGPT1) detection. Tested with WB in Human.
Immunogen:	E.coli-derived human Angiopoietin 1 recombinant protein (Position: H16-N350). Human Angiopoietin 1 shares 96% amino acid (aa) sequence with both mouse and rat Angiopoietin 1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Angiopoietin-1(ANGPT1) detection. Tested with WB in Human. Gene Name: angiopoietin 1 Protein Name: Angiopoietin-1
Purification:	Immunogen affinity purified.

Target Details

Target: Angiotensin 1 (ANGPT1)

Alternative Name: ANGPT1 ([ANGPT1 Products](#))

Background: Angiotensin 1 is a type of angiotensin and is encoded by the gene ANGPT1. Angiotensins are proteins with important roles in vascular development and angiogenesis. All angiotensins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. Angiotensin 1 is mapped to 8q23.1. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Angiotensin-1 seems to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme.

Synonyms: AGP 1 antibody|AGP1 antibody|AGPT antibody|ANG 1 antibody|ANG antibody|ANG-1 antibody|ANG1 antibody|Angiotensin-1 antibody|Angiotensin1 antibody|ANGP1_HUMAN antibody|ANGPT 1 antibody|ANGPT1 antibody|KIAA0003 antibody|OTTHUMP00000227592 antibody|OTTHUMP00000227599 antibody|OTTHUMP00000227600 antibody

Gene ID: 284

UniProt: [Q15389](#)

Pathways: [RTK Signaling](#), [Glycosaminoglycan Metabolic Process](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, The detection limit for Angiotensin 1 is approximately 0.25 ng/lane under reducing conditions.

Notes: Tested Species: Species with positive results.

Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

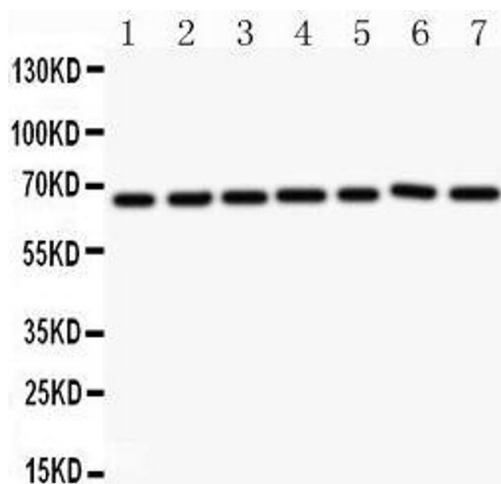
Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Publications

Product cited in:	Sun, Wang, Cheng, Wang, Li, Xue, Wang, Ai, Zhang, Xu, Wang, Ji: "Morrisonide improves microvascular functional integrity of the neurovascular unit after cerebral ischemia." in: PLoS ONE , Vol. 9, Issue 6, pp. e101194, (2014) (PubMed).
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Images



Western Blotting

Image 1.



Western Blotting

Image 2. Anti-Angiopoietin 1 Picoband antibody, All lanes:
Anti Angiopoietin1 at 0.5ug/ml WB: Recombinant Human
Angiopoietin1 Protein 0.5ng Predicted bind size: 39KD
Observed bind size: 39KD