

Anti-Angiopoietin 1 Antibody [SN67-02]

ET1611-28



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB
Molecular Wt:	Predicted band size: 58 kDa
Clone number:	SN67-02

Description: Angiopoietin 1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. 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. During pregnancy, angiopoietins act complementary to the VEGF system and contribute to endothelial cell survival and the remodeling of vessels. Few studies have examined the role of angiopoietins in human pregnancy complications like preeclampsia and intrauterine growth restriction (IUGR).

Immunogen: Synthetic peptide within Human Angiopoietin 1 aa 249-300 / 498.

Positive control: U-87 MG cell lysate, HeLa cell lysate, K-562 cell lysate, C6 cell lysate, RAW264.7 cell lysate.

Subcellular location: Secreted.

Database links: SwissProt: Q15389 Human | O08538 Mouse | O35460 Rat

Recommended Dilutions:

WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

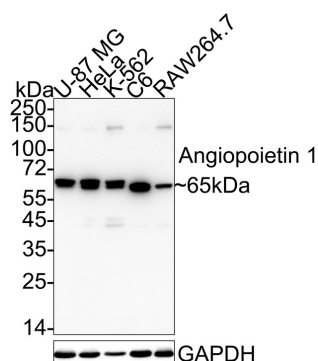
Service mail: support@huabio.cn

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

Fig1: Western blot analysis of Angiopoietin 1 on different lysates with Rabbit anti-Angiopoietin 1 antibody (ET1611-28) at 1/1,000 dilution.



Lane 1: U-87 MG cell lysate

Lane 2: HeLa cell lysate

Lane 3: K-562 cell lysate

Lane 4: C6 cell lysate

Lane 5: RAW264.7 cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 58 kDa

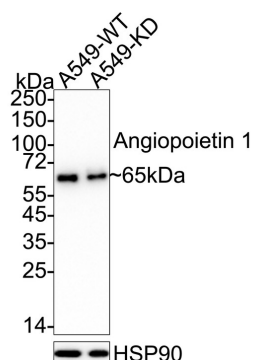
Observed band size: 65 kDa

Exposure time: 1 minute; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1611-28) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

Fig2: Western blot analysis of Angiopoietin 1 on different lysates with Rabbit anti-Angiopoietin 1 antibody (ET1611-28) at 1/1,000 dilution.



Lane 1: A549-WT cell lysate

Lane 2: A549-KD Angiopoietin 1 cell lysate

Lysates/proteins at 10 µg/Lane.

Predicted band size: 58 kDa

Observed band size: 65 kDa

Exposure time: 1 minute; ECL: K1801;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (ET1611-28) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Stewart N & Chade AR Renoprotective effects of hepatocyte growth factor in the stenotic kidney. Am J Physiol Renal Physiol 304:F625-33 (2013).
2. Mohamad O et al. Vector-free and transgene-free human iPS cells differentiate into functional neurons and enhance functional recovery after ischemic stroke in mice. PLoS One 8:e64160 (2013).

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