

## Product datasheet for **CF804679**

### Angiopoietin 1 (ANGPT1) Mouse Monoclonal Antibody [Clone ID: OT18H2]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OT18H2
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 198-498 of human ANGPT1 (NP_001137) produced in E.coli.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57.3 kDa
Gene Name:	angiopoietin 1
Database Link:	<a href="#">NP_001137</a> <a href="#">Entrez Gene 11600 Mouse</a> <a href="#">Entrez Gene 89807 Rat</a> <a href="#">Entrez Gene 284 Human</a> <a href="#">Q15389</a>



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**Background:**

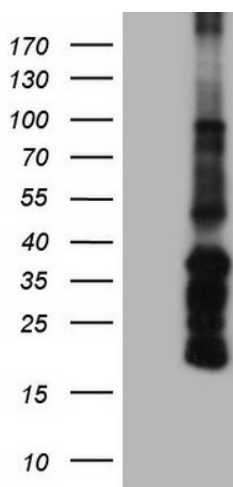
Angiotensins are proteins with important roles in vascular development and angiogenesis. All angiotensins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme and inhibits endothelial permeability. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2010]

**Synonyms:**

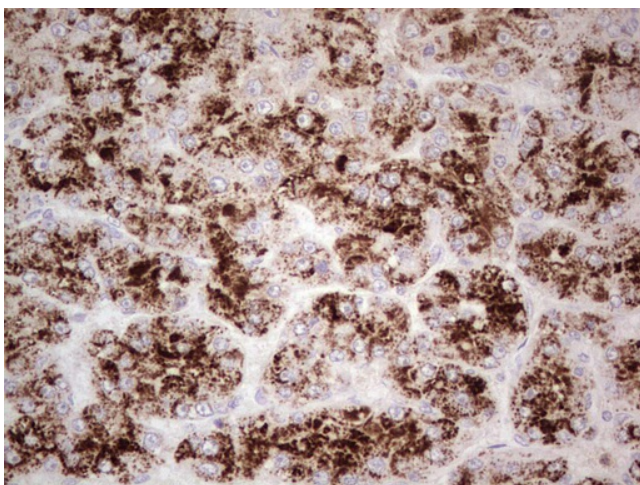
AGP1; AGPT; ANG1; HAE5

**Protein Families:**

Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

**Product images:**

Human recombinant protein fragment corresponding to amino acids 198-498 of human ANGPT1 (NP\_001137) produced in E.coli.



Immunohistochemical staining of paraffin-embedded Carcinoma of Human liver tissue using anti-ANGPT1 mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.