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

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**Images** 



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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, Immunocytochemistry (ICC), Immunofluorescence (IF)

## **Product Details**

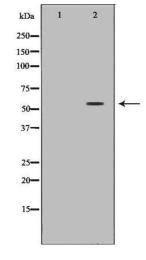
Immunogen:	A synthesized peptide derived from human Angiopoietin 2, corresponding to a region within N-terminal amino acids.
Isotype:	IgG
Specificity:	Angiopoietin 2 Antibody detects endogenous levels of total Angiopoietin 2.
Purification:	The antiserum was purified by peptide affinity chromatography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

## Target Details

Target:	Angiopoietin 2 (ANGPT2)
Alternative Name:	ANGPT2 (ANGPT2 Products)

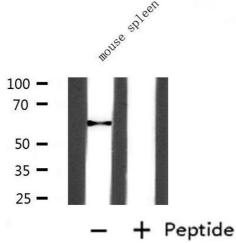
## Target Details

Background:	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.  Gene: ANGPT2	
Molecular Weight:	57kDa	
Gene ID:	285	
UniProt:	015123	
Pathways:	RTK Signaling	
Application Details		
Application Notes:	WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000	
Restrictions:	For Research Use only	
Handling		
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	



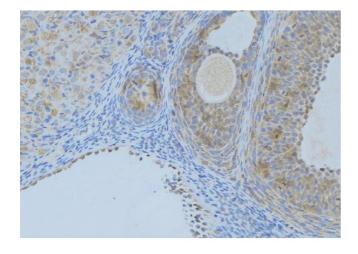
### **Western Blotting**

**Image 1.** Western blot analysis of HepG2 lysate using ANGPT2 antibody. The lane on the left is treated with the antigen-specific peptide.



### **Western Blotting**

**Image 2.** Western blot analysis of extracts from Mouse slpeen, using ANGPT2 Antibody.



### **Immunohistochemistry**

**Image 3.** ABIN6276407 at 1/100 staining Human uterus tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22¡ãC. An HRP conjugated goat anti-rabbit antibody was used as the secondary