




Rabbit Anti-Angiopoietin 2 antibody

SL0677R

Product Name:	Angiopoietin 2
Chinese Name:	血管生成素2抗体
Alias:	AGPT 2; AGPT-2; Agpt2; ANG 2; ANG2; ANG-2; Angiopoietin 2a; Angiopoietin 2B; Angiopoietin2; Angiopoietin-2; ANGPT 2; ANGPT2; Tie2 ligand; ANGP2 HUMAN.
文献引用  :	Specific References(3) SL0677R has been referenced in 3 publications. [IF=2.14] Lv, Ming-ming, Xin-dong Fan, and Li-xin Su. "Is a Swine Model of Arteriovenous Malformation Suitable for Human Extracranial Arteriovenous Malformation? A Preliminary Study." Cardiovascular and interventional radiology (2013): 1-7. IHC-P; <div style="background-color: #0056b3; color: white; text-align: center; padding: 2px;">PubMed:23652418</div>
	[IF=2.84] Zhao, Qiuchen, et al. "Intranasal administration of Human umbilical cord mesenchymal stem cells-conditioned medium enhances vascular remodeling after stroke." Brain Research (2015). WB;Rat. <div style="background-color: #0056b3; color: white; text-align: center; padding: 2px;">PubMed:26279113</div>
	[IF=0.00] Du, Weiyan, et al. "The Expression and Significance of Angiopoietin-2 and Glucose Regulated Protein78 in Colorectal Cancer." Cancer Cell Research (2016). IHC-P;Human. <div style="background-color: #0056b3; color: white; text-align: center; padding: 2px;">PubMed:0</div>
	<div style="background-color: #0056b3; color: white; text-align: center; padding: 2px;">PubMed:0</div>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications.

	optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	53kDa
Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Angiopoietin 2:401-496/496
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Function: 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>Subunit: Interacts with TEK/TIE2, competing for the same binding site as ANGPT1.</p> <p>Subcellular Location: Secreted.</p> <p>Similarity: Contains 1 fibrinogen C-terminal domain.</p> <p>SWISS: O15123</p> <p>Gene ID: 285</p> <p>Database links:</p>

[Entrez Gene: 285](#) Human

[Entrez Gene: 11601](#) Mouse

[Entrez Gene: 89805](#) Rat

[Omim: 601922](#) Human

[SwissProt: O15123](#) Human

[SwissProt: O35608](#) Mouse

[SwissProt: O35462](#) Rat

[Unigene: 583870](#) Human

[Unigene: 439874](#) Mouse

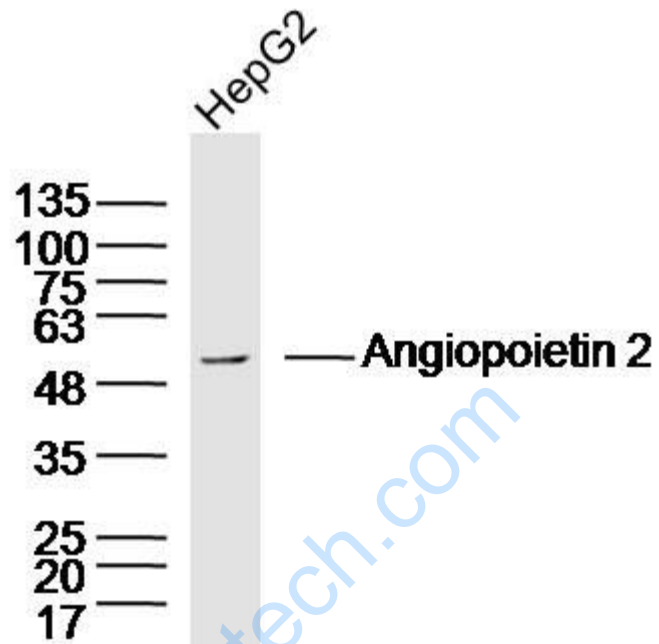
[Unigene: 138360](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

血管生成素2(angiotensin-2, Ang-2)是Ang家族的成员之一,是特异性血管生成刺激因子,也是恶性Tumour早期的标志分子.

Picture:



Sample:

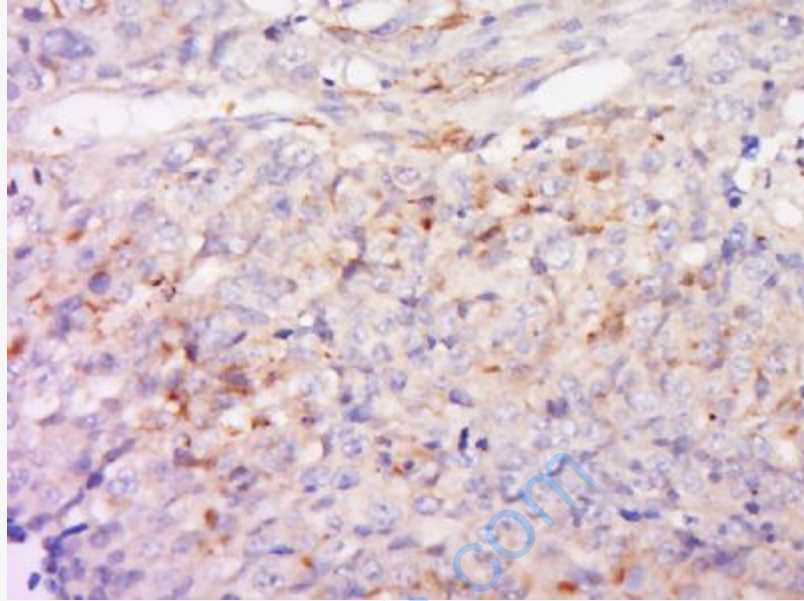
HepG2(Human) Cell Lysate at 30 ug

Primary: Anti-Angiopoietin 2 (SL0677R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 53 kD

Observed band size: 53 kD



Tissue/cell: human colon cancer; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-Ang2 Polyclonal Antibody, Unconjugated(SL0677R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining