

**bs-0677R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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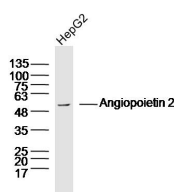
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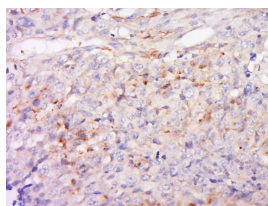
400-901-9800

**Angiopoietin 2 Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Chicken, Dog)  <b>Predicted MW.:</b> 53 kDa  <b>Subcellular Location:</b> Secreted
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 285	<b>SWISS:</b> O15123	
<b>Target:</b> Angiopoietin 2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Angiopoietin 2: 401-496/496.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> 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]		

**VALIDATION IMAGES**

Sample: HepG2(Human) Cell Lysate at 30 ug  
Primary: Anti-Angiopoietin 2 (bs-0677R) 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(bs-0677R) 1:500, overnight at 4°C,  
followed by conjugation to the secondary  
antibody(SP-0023) and DAB(C-0010) staining

**SELECTED CITATIONS**

- **[IF=6.8]** Ye Jiazhou. et al. Single cell-spatial transcriptomics and bulk multi-omics analysis of heterogeneity and ecosystems in hepatocellular carcinoma. NPJ PRECIS ONCOL. 2024 Nov;8(1):1-18 IHC ;Human. 39548284
- **[IF=6.68]** Do HS et al. Enhanced thrombospondin-1 causes dysfunction of vascular endothelial cells derived from Fabry disease-induced pluripotent stem cells. EBioMedicine. 2020 Jan 22;52:102633. IHC ;Human. 31981984
- **[IF=4.5]** Yang Liu. et al. Octreotide modified liposomes that co-deliver paclitaxel and neferine effectively inhibit ovarian cancer metastasis by specifically binding to the SSTR2 receptors. J DRUG DELIV SCI TEC. 2024 Sep;98:105851 IF ;Mouse. 10.1016/j.jddst.2024.105851
- **[IF=2.84]** Zhao, Qiuchen, et al. "Intranasal administration of Human umbilical cord mesenchymal stem cells-

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

- conditioned medium enhances vascular remodeling after stroke." Brain Research (2015). WB ;="Rat". 26279113
- **[IF=3.149]** Yuksel Olgun. et al. The Effect of Bevacizumab and Propranolol on Nasal Polyposis. INT J CLIN PRACT. 2022 Oct 12;2022:6174664 IHC ;Human. 36304979