

Product datasheet for **TA396520S**

Angpt2 Rabbit Polyclonal Antibody

Product data:

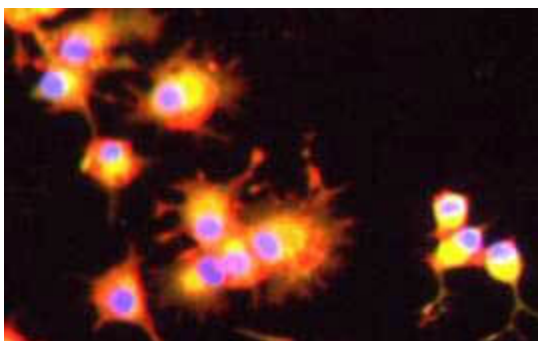
Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB: 1:500 - 1:2,000 IHC: 1:200-1:500 ELISA: 1:5,000 - 1:25,000
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Anti-Angiotensin 2 Antiserum was prepared by repeated immunizations with a synthetic peptide, corresponding to a region near the N-terminus of mouse angiotensin-2 protein, conjugated to KLH using maleimide.
Specificity:	Angiotensin 2 Antibody antiserum is directed against mouse angiotensin-2 and shows no reactivity with angiotensin-1 from mouse-derived proteins. This product was prepared from monospecific antiserum by a delipidation and defibrination. This reagent cross-reacts with human angiotensin-2. Partially cross-reactivity is noted with human angiotensin-1.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	80 mg/ml - lot specific
Conjugation:	Unconjugated
Storage:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Stability:	Expiration date is one (1) year from date of receipt.
Gene Name:	angiotensin 2
Database Link:	Entrez Gene 11601 Mouse O35608



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- Background:** Anti-Angiopoietin-2 Antibody recognizes Angiopoietin-2 (Ang-2) which has importance in development of the endothelium through regulation of tyrosine phosphorylation of the membrane receptor Tie-2/Tek. Ang-1 binding to Tie-2/Tek causes phosphorylation of the receptor. Ang-2 competes for this binding and thus blocks receptor phosphorylation. Ang-2 expression occurs at sites of vascular remodeling: dorsal aorta and major aortic branches, ovary, placenta and uterus. This antibody is suitable for cardiovascular research.
- Synonyms:** rabbit anti-Angiopoietin 2 Antibody, rabbit anti-ANG2 antibody, AGPT 2 antibody, Agpt2 antibody, ANG 2 antibody, ANG2 antibody, Angiopoietin 2a antibody, Angiopoietin 2B antibody, Angiopoietin2 antibody, ANGPT 2 antibody, ANGPT2 antibody, Tie2 ligand antibody
- Note:** Angiopoietin 2 Antibody is tested in WB, ICC, and IHC. Angiopoietin 2 Antibody is suitable for western blotting and other antibody based assays. A 1:500 dilution is recommended for western blotting. Both Ang-1 and Ang-2 proteins have predicted molecular weights of approximately 57 kDa and appear on western blots close to their predicted molecular weights. In some instances additional bands may be seen at approximately 75 kDa which represent highly glycosylated forms of the protein that migrate at a higher apparent molecular weight. The reaction of this antiserum directly with cell supernatants may result in high background due to reactivity of components in the serum. This can be alleviated by first immunoprecipitating the antibody:antigen complex and then detecting the antigen. This method results in a very clean, strong signal.

Product images:



Immunocytochemistry of anti-ANG2 Antibody in PC12 cells. Tissue: Human prostate cancer cell line (PC12). Fixation: 5 min in 100% methanol. Ag Retrieval/permeabilization: 1hr 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween. Primary antibody: 1:200 dilution overnight at +4°C. Secondary Ab: 488 Gt anti-rabbit at 1:1000 for 1 hr RT. Staining: Ang2 stained yellow/green, plasma membranes stained red, cell nuclei stained blue with DAPI (1.43 μ M).