

## ARG54810 anti-Angiopietin 2 antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes Angiopietin 2
Tested Reactivity	Hu, Ms
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Angiopietin 2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 404-432 (C-terminus) of Human Angiopietin 2.
Conjugation	Un-conjugated
Alternate Names	ANG-2; Angiopietin-2; ANG2; AGPT2

### Application Instructions

Application table	Application	Dilution
	FACS	1:10 - 1:50
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse kidney	

### Properties

Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

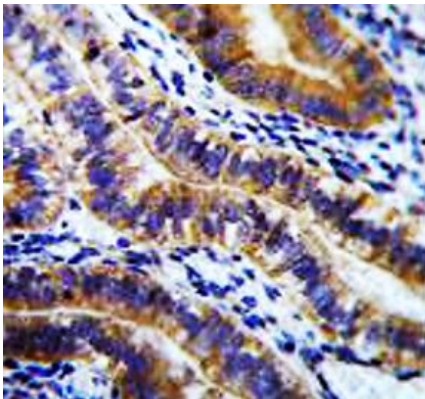
## Bioinformation

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Database links	<a href="#">GeneID: 11601 Mouse</a> <a href="#">GeneID: 285 Human</a> <a href="#">Swiss-port # O15123 Human</a> <a href="#">Swiss-port # O35608 Mouse</a>
Gene Symbol	ANGPT2
Gene Full Name	angiopoietin 2
Background	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]
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. [UniProt]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	57 kDa
Cellular Localization	Secreted.

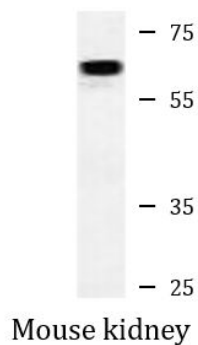
## Images

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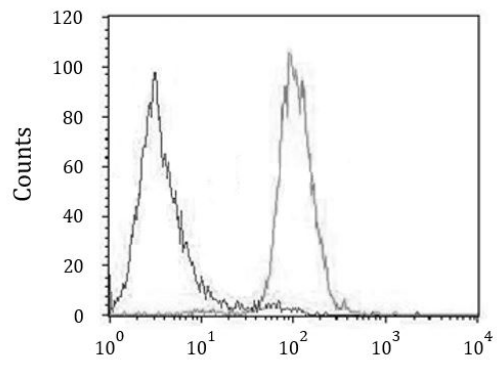
ARG54810 anti-Angiopoietin 2 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human uterus tissue stained with ARG54810 anti-Angiopoietin 2 antibody.



ARG54810 anti-Angiopoietin 2 antibody WB image

Western blot: 35 µg of Mouse kidney lysate stained with ARG54810 anti-Angiopoietin 2 antibody.



### ARG54810 anti-Angiopoietin 2 antibody FACS image

Flow Cytometry: A549 cells stained with ARG54810 anti-Angiopoietin 2 antibody (right histogram) or without primary antibody control (left histogram), followed by incubation with FITC labelled secondary antibody.