

# ANGP2 Polyclonal Antibody

Catalog # AP74469

## Product Information

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Application	WB
Primary Accession	<a href="#">O15123</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56919

## Additional Information

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Gene ID	285
Other Names	Angiopoietin-2 (ANG-2)
Dilution	WB~~WB 1:500-2000, ELISA(peptide)1:5000-20000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## Protein Information

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Name	ANGPT2
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). 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 (PubMed: <a href="#">15284220</a> , PubMed: <a href="#">19116766</a> , PubMed: <a href="#">19223473</a> , PubMed: <a href="#">9204896</a> ). Involved in the regulation of lymphangiogenesis (PubMed: <a href="#">32908006</a> ).
Cellular Location	Secreted.

## Background

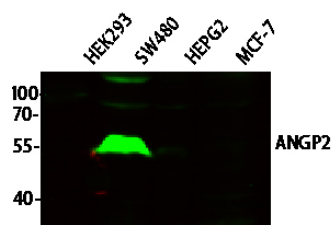
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Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such

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.

## Images

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Western blot analysis of various lysates, primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat : RS23920)was diluted at 1:10000, 37° 1hour.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.