

ANGP2 Polyclonal Antibody
Catalog # AP74469**Specification****ANGP2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	O15123
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

ANGP2 Polyclonal Antibody - Additional Information

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

ANGP2 Polyclonal Antibody - Protein Information

Name ANGPT2

Function

Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed: [15284220](http://www.uniprot.org/citations/15284220)), PubMed: [19116766](http://www.uniprot.org/citations/19116766), PubMed: [19223473](http://www.uniprot.org/citations/19223473), PubMed: [9204896](http://www.uniprot.org/citations/9204896)).

Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed: [15284220](http://www.uniprot.org/citations/15284220), PubMed: [19116766](http://www.uniprot.org/citations/19116766), PubMed: [19223473](http://www.uniprot.org/citations/19223473), PubMed: [9204896](http://www.uniprot.org/citations/9204896)). 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: [15284220](http://www.uniprot.org/citations/15284220), PubMed: [19116766](http://www.uniprot.org/citations/19116766), PubMed: [19223473](http://www.uniprot.org/citations/19223473)).

target="_blank">19223473, PubMed:9204896). Involved in the regulation of lymphangiogenesis (PubMed:32908006).

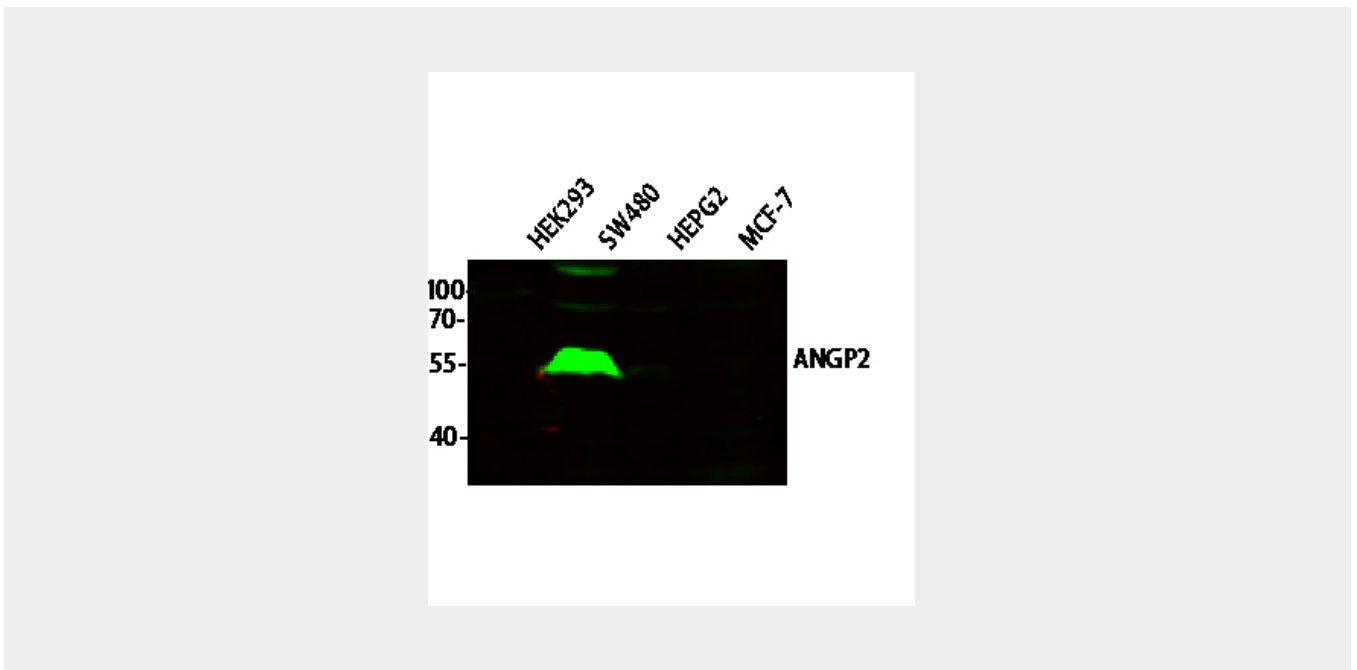
Cellular Location
Secreted.

ANGP2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ANGP2 Polyclonal Antibody - Images



ANGP2 Polyclonal Antibody - Background

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.