

Anti-Angiopoietin-2 Antibody

Rabbit Polyclonal Antibody

Catalog # ABV12022

Product Information

Application	WB
Primary Accession	O15123
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	N/A
Calculated MW	56919

Additional Information

Gene ID	285
Application & Usage	WB: Hela, Raw264.7, H9C2 whole cell lysate
Other Names	Angiopoietin-2, ANG-2
Target/Specificity	ANGPT2
Antibody Form	Liquid
Appearance	Colorless liquid
Formulation	In 0.42% Potassium phosphate; 0.87% Sodium chloride; pH 7.3; 30% glycerol; and 0.01% sodium azide
Handling	The antibody solution should be gently mixed before use.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-Angiopoietin-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ANGPT2
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed: 15284220 , PubMed: 19116766 , PubMed: 19223473 , PubMed: 9204896). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed: 15284220 , PubMed: 19116766 ,

PubMed:[19223473](#), PubMed:[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](#), PubMed:[19116766](#), PubMed:[19223473](#), PubMed:[9204896](#)). Involved in the regulation of lymphangiogenesis (PubMed:[32908006](#)).

Cellular Location

Secreted.

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.

Images

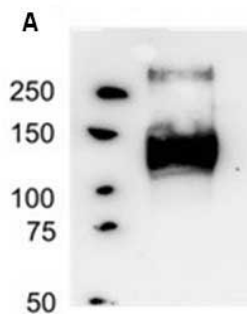


Fig A. Western blot analysis using CEACAM1 Monoclonal Antibody at 10 pg/ml

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