

Product datasheet

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ARG41934 anti-Angiopoietin 2 antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Angiopoietin 2

Tested Reactivity Hu, Ms, Rat
Tested Application IHC-Fr, WB
Host Rabbit
Clonality Polyclonal
Isotype IgG

Target Name Angiopoietin 2

Species Human

Immunogen Synthetic peptide of Human Angiopoietin 2.

Conjugation Un-conjugated

Alternate Names ANG-2; Angiopoietin-2; ANG2; AGPT2

Application Instructions

Application table	Application	Dilution
	IHC-Fr	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HUVEC	
Observed Size	~ 50 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

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. 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

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

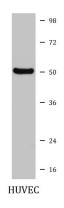
induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell

migration and proliferation, thus serving as a permissive angiogenic signal. [UniProt]

Calculated Mw 57 kDa

Cellular Localization Secreted. [UniProt]

Images



ARG41934 anti-Angiopoietin 2 antibody WB image

Western blot: HUVEC cell lysate stained with ARG41934 anti-Angiopoietin 2 antibody.