



Product Information Sheet

Polyclonal Anti-Angiopoietin-2, **ANG2 (Magnetic Bead Conjugate)**

Catalogue No. PA1005-M	Immunogen A synthetic peptide corresponding to a sequence mapping near the C-terminal of human Angiopoietin-2 (482-496aa), identical to the related rat and mouse sequence.
Lot No. 0101012190595	
Ig type: rabbit IgG	Purity Immunogen affinity purified.
Size: 100µg/vial	
Specificity Human, rat. No cross reactivity with other proteins.	Contents Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN ₃ . Storage Store at 4°C for frequent use.
Recommended application immunoprecipitation.(IP)	Description This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified magnetic beads. It is useful for immunoprecipitation

BACKGROUND

Angiopoietin 1 and Angiopoietin 2 are important for development of the endothelium, by regulating tyrosine phosphorylation of the membrane receptor Tie 2. Angiopoietin 2 is only 60% homologous with Angiopoietin 1. Angiopoietin-2 is a naturally occurring antagonist of angiopoietin-1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2 autophosphorylation. Angiopoietin 1 binding to Tie 2 causes phosphorylation of the receptor. Angiopoietin 2 competes for this binding, and thus blocks receptor phosphorylation. Angiopoietin 2 expression occurs at sites of vascular remodelling: dorsal aorta and major aortic branches, ovary, placenta and uterus.

REFERENCE

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