

Basic Information

Product Name	Anti-Angiopoietin-1/ANGPT1 Antibody
Gene Name	ANGPT1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Angiopoietin-1, different from the related mouse sequence by three amino acids, and from the related rat sequence by two amino acids.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	57 kDa/70 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA: 1:100-1000

Storage

12 months from date of receipt, -20°C as supplied.

Background Information

Angiopoietin 1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. Angiopoietin 1 is mapped to 8q23.1. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Angiopoietin-1 seems to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme.

Reference

Anti-Angiopoietin-1/ANGPT1 Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of Angiopoietin-1/ANGPT1 using anti-Angiopoietin-1/ANGPT1 antibody (A00853).

Lane 1: recombinant human ANGPT1 protein 1ng.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Angiopoietin-1/ANGPT1 antigen affinity purified polyclonal antibody (A00853) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Angiopoietin-1/ANGPT1 at approximately 70 kDa.