Product datasheet

Anti-Angiopoietin-1/ANGPT1 Antibody (Clone#FGC-1)

Catalog Number: *BM4539*

BOSTER
antibody and ELISA experts
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Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.
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Basic Information

Product Name	Anti-Angiopoietin-1/ANGPT1 Antibody (Clone#FGC-1)
Gene Name	ANGPT1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, rat
Tested Application	WB
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Angiopoietin 1
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	70 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt，-20℃ 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 (Clone#FGC-1)被引用在1文献中。

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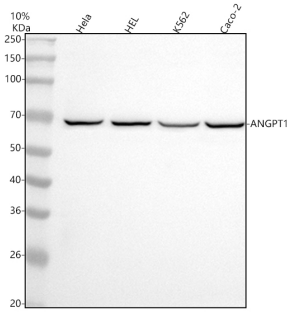
Selected Validation Data



Western blot analysis of anti-Angiopoietin-1/ANGPT1 antibody (BM4539). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human Hela whole cell lysates,
Lane 2: human HEL whole cell lysates,
Lane 3: human K562 whole cell lysates,
Lane 4: human Caco-2 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Angiopoietin-1/ANGPT1 antigen affinity purified monoclonal antibody (BM4539) 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. The expected band size for Angiopoietin-1/ANGPT1 is at 58 kDa.