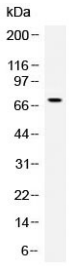
Angiopoietin Antibody / ANGPT1 (R32768)

Catalog No.	Formulation	Size
R32768	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	Q15389
Applications	WB: 0.5-1ug/ml ELISA: 0.1-0.5ug/ml (human protein tested; request BSA-free format for coating)
Limitations	This Angiopoietin antibody is available for research use only.



Western blot testing of human recombinant Angiopoietin protein (1ng/lane) with Angiopoietin antibody at 0.5ug/ml. Expected molecular weight: 57-75 kDa depending on glycosylation level.

Description

Angiopoietin Antibody specifically detects Angiopoietin 1, 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.

Researchers investigating angiopoietin signaling, endothelial cell regulation, and vascular remodeling may also wish to explore our Angiopoietin 1 Antibody page featuring this important vascular growth factor and its role in angiogenesis.

Application Notes

Optimal dilution of the Angiopoietin antibody should be determined by the researcher.

Immunogen

Amino acids 204-241 (KHKEELDTLKEEKENLQGLVTRQTYIIQELEKQLNRAT) from the human protein were used as the immunogen for the Angiopoietin antibody.

Storage

After reconstitution, the Angiopoietin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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