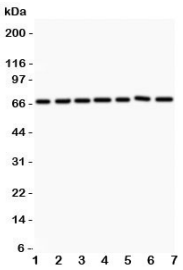
ANG1 Antibody Angiopoietin 1 (R31547)

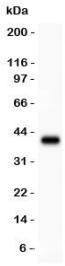
Catalog No.	Formulation	Size
R31547	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	284
Applications	Western Blot : 0.5-1ug/ml
Limitations	This ANG1 antibody is available for research use only.



Western blot testing of ANG1 antibody and Lane 1: HeLa; 2: MCF-7; 3: COLO320; 4: A549; 5: HEPG2; 6: 293T; 7: SW620. Observed size 57~75KD depending on glycosylation level



Western blot testing of ANG1 antibody and recombinant human protein (0.5ng)

Description

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. 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. ANG1 also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. ANG1 seems to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the ANG1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Human partial recombinant protein (AA 16-350) was used as the immunogen for this ANG1 antibody.

Storage

After reconstitution, the ANG1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.