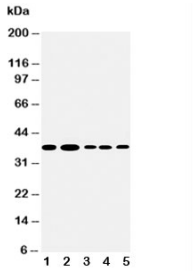
Angiopoietin 2 Antibody (R30172)

Catalog No.	Formulation	Size
R30172	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 and 0.025% sodium azide/thimerosal
UniProt	O15123
Applications	Western Blot : 0.5-1ug/ml
Limitations	This Angiopoietin 2 antibody is available for research use only.



Western blot testing of Angiopoietin 2 antibody and Lane 1: Recombinant human ANGPT2 protein 10ng; 2: 5ng; 3: 2.5ng

Description

Angiopoietin 2 and -1 are involved in the development of the endothelium by regulating tyrosine phosphorylation of the membrane receptor Tie 2. Angiopoietin 2 is only 60% homologous with -1. It is a naturally occurring antagonist of ANGPT1 that competes for binding to the TIE2 receptor and blocks ANGPT1-induced TIE2 autophosphorylation. ANGPT1 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Angiopoietin 2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 454-468 (NLNGMYYPQRQNTNK-human) were used as the immunogen for this Angiopoietin 2 antibody.

Storage

After reconstitution, the Angiopoietin 2 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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