9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

39-2016: Anti-Angiopoietin 2 Polyclonal Antibody

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	ANGPT2
Gene ID :	285
Uniprot ID :	O15123
Format :	Lyophilized
Alternative Name :	Angiopoietin-2; ANG-2; ANGPT2
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence at the C-terminus of human Angiopoietin 2(454-468aa NLNGMYYPQRQNTNK).

Description

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

Product Info

Amount :	100 µg/vial
Purification :	Immunogen affinity purified.
Content :	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Storage condition :	At -20˚C for one year. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5Ã‚Â¼g/ml;

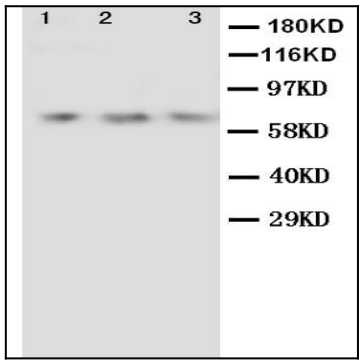


Figure 1: Anti-Angiopoietin 2 antibody(39-2016). Western blotting: Lane 1: Recombinant Human ANG2 Protein 10ng, Lane 2: Recombinant Human ANG2 Protein 5ng. Lane 3: Recombinant Human ANG2 Protein 2.5ng.

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