

Anti-Angiopoietin 2 Rabbit Monoclonal Antibody
Catalog # ABO15201**Specification****Anti-Angiopoietin 2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, IHC
Primary Accession	O15123
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

Description

Anti-Angiopoietin 2 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.

Anti-Angiopoietin 2 Rabbit Monoclonal Antibody - Additional Information

Gene ID 285

Other Names

Angiopoietin-2, ANG-2, ANGPT2

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human Angiopoietin 2

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-Angiopoietin 2 Rabbit Monoclonal Antibody - Protein Information

Name ANGPT2

Function

Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (PubMed:15284220),

PubMed:19116766, PubMed:19223473, PubMed:9204896). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (PubMed:15284220, PubMed:19116766, PubMed:19223473, PubMed:9204896). In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression. In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal (PubMed:15284220, PubMed:19116766, PubMed:19223473, PubMed:9204896). Involved in the regulation of lymphangiogenesis (PubMed:32908006).

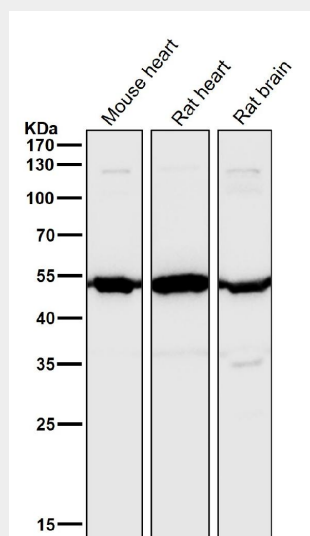
Cellular Location
Secreted.

Anti-Angiopoietin 2 Rabbit Monoclonal Antibody - Protocols

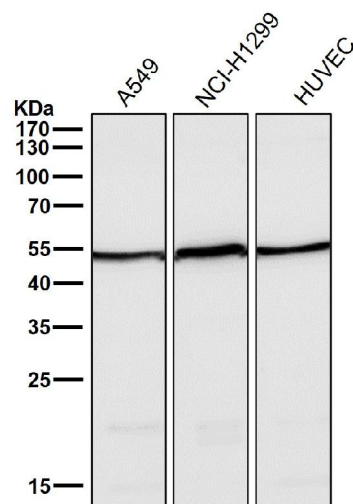
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

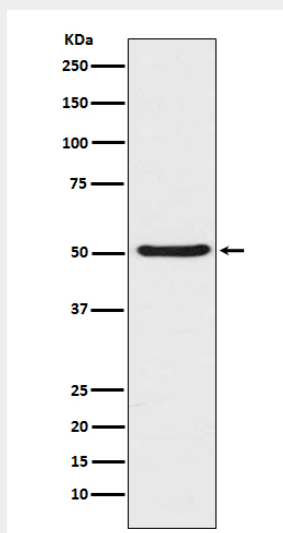
Anti-Angiopoietin 2 Rabbit Monoclonal Antibody - Images



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:6K dilution for 1 hour at room temperature.



Western blot analysis of Angiopoietin 2 expression in HUVEC cell lysate.