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Angpt2 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14929

Product Information

Application	WB
Primary Accession	O35608
Other Accession	NM_007426, NP_031452
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Predicted	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	56576

Additional Information

Gene ID	11601
Alias Symbol	Agpt2, Ang-2, Ang2
Other Names	Angiopoietin-2, ANG-2, Angpt2, Agpt2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Angpt2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Angpt2 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

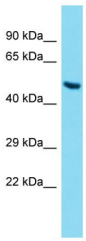
Name	Angpt2
Synonyms	Agpt2
Function	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling (By similarity). Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1 (By similarity). In the absence of angiogenic inducers, such as VEGF, ANGPT2-mediated loosening of cell-matrix contacts may induce endothelial cell apoptosis with consequent vascular regression (By similarity). In concert with VEGF, it may facilitate endothelial cell migration and proliferation, thus serving as a permissive angiogenic signal (By similarity). Involved in the regulation of lymphangiogenesis (PubMed:28179430, PubMed:32908006).

Cellular Location	Secreted {ECO:0000250|UniProtKB:O15123}.
Tissue Location	Expressed in the ovary, uterus and placenta.

References

Maisonpierre P.C.,et al.Science 277:55-60(1997).
Carninci P.,et al.Science 309:1559-1563(2005).

Images



Host: Rabbit
Target Name: Angpt2
Sample Tissue: Mouse Liver lysates
Antibody Dilution: 1.0µg/ml