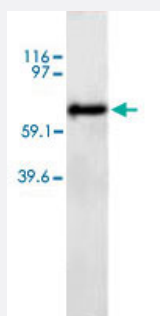


ANGPT2 polyclonal antibody

Catalog # PAB12280 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western Blot analysis of ANGPT2 expression from rat brain tissue lysate with ANGPT2 polyclonal antibody (Cat # PAB12280).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ANGPT2.
Immunogen	A synthetic peptide corresponding to amino acids at C-terminus of human ANGPT2.
Host	Rabbit
Theoretical MW (kDa)	57
Reactivity	Human, Rat
Specificity	Different from the related mouse sequence by two amino acids.
Form	Lyophilized
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	Lyophilized from 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ (5 mg BSA, 0.05 mg sodium azide, 0.05 mg Thimerosal)
Storage Instruction	Store at -20°C on dry atmosphere. After reconstitution with 200 uL of deionized water and concentration will be 500 ug/mL, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide and thimerosal: POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western Blot analysis of ANGPT2 expression from rat brain tissue lysate with ANGPT2 polyclonal antibody (Cat # PAB12280).

Gene Info — ANGPT2

Entrez GeneID	285
GeneBank Accession#	AB009865
Protein Accession#	BAA95590
Gene Name	ANGPT2
Gene Alias	AGPT2, ANG2
Gene Description	angiopoietin 2
Omim ID	601922
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TIEK tyrosine kinase (TIE-2, TEK). The encoded protein disrupts the vascular remodeling ability of ANGPT1 and may induce endothelial cell apoptosis. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	Tie2-ligand angiopoietin-2 angiopoietin-2B angiopoietin-2a

Publication Reference

- [Genomic structures of the human angiopoietins show polymorphism in angiopoietin-2.](#)

Ward EG, Grosios K, Markham AF, Jones PF.

Cytogenetics and Cell Genetics 2001 Dec; 94(3-4):147.

- [Characterization and expression of a novel alternatively spliced human angiopoietin-2.](#)

Kim I, Kim JH, Ryu YS, Jung SH, Nah JJ, Koh GY.

The Journal of Biological Chemistry 2000 Jun; 275(24):18550.

Application: WB-Ce, Human, C33A, CaSki cells, HUVECs

- [Angiopoietin-2, a natural antagonist for Tie2 that disrupts in vivo angiogenesis.](#)

Maisonpierre PC, Suri C, Jones PF, Bartunkova S, Wiegand SJ, Radziejewski C, Compton D, McClain J, Aldrich TH, Papadopoulos N, Daly TJ, Davis S, Sato TN, Yancopoulos GD.

Science 1997 Jul; 277(5322):55.

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