

Rabbit anti-Human Angiopoietin-2 Polyclonal Antibody | anti-ANGPT2 antibody

Rabbit anti-human Angiopoietin-2 polyclonal Antibody

CATALOG # AAA229835	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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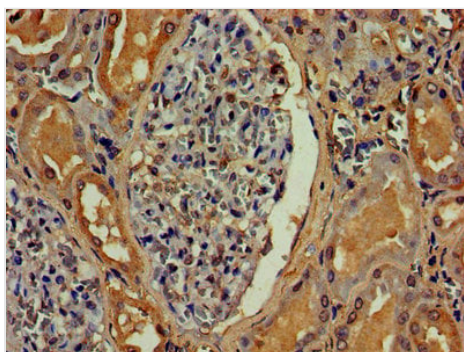
PRODUCT SYNONYMS

Angiopoietin-2; Polyclonal Antibody; Rabbit anti-human Angiopoietin-2 polyclonal Antibody; Angiopoietin-2 protein; ANGPT2; anti-ANGPT2 antibody

PRODUCT SPECIFICATIONS

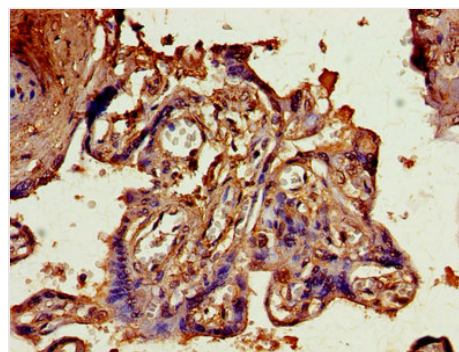
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	495
Applicable Applications for anti-ANGPT2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant human Angiopoietin-2 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-7017 / sc-7016 / sc-7015 / sc-20718
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



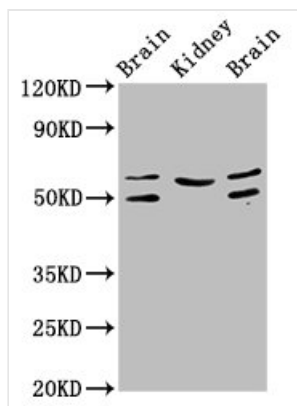
IHC (Immunohistochemistry)

IHC image of AAA229835 diluted at 1:800 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA229835 diluted at 1:800 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: Rat brain tissue, Rat kidney tissue, Mouse brain tissue
 All lanes: ANGPT2 antibody at 3.2ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution
 Predicted band size: 57,51 KDa Observed band size: 57,51 KDa

ADDITIONAL INFORMATION

Related Product Information for anti-ANGPT2 antibody	Binds to TEK/TIE2, competing for the ANGPT1 binding site, and modulating ANGPT1 signaling. Can induce tyrosine phosphorylation of TEK/TIE2 in the absence of ANGPT1. 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. This protein is an antagonist of angiopoietin 1 (ANGPT1) and endothelial TEK 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.
Product Categories/Family for anti-ANGPT2 antibody	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	169646749
NCBI GeneID	285
NCBI Accession #	NP_001112359.1
NCBI GenBank Nucleotide #	NM_001118887.1
UniProt Accession #	O15123; Q9NRR7; Q9P2Y7; A0AV38; A8K205; B7ZLM7
Molecular Weight	56,848 Da
NCBI Official Full Name	angiopoietin-2 isoform b
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiopoietin-2
UniProt Protein Name	Angiopoietin-2
UniProt Gene Name	ANGPT2
UniProt Synonym Gene Names	ANG-2
UniProt Entry Name	ANGP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/angiopoietin-2-antibody-immunohistochemistry-elisa/229835>