

Rabbit ANGPT2 Polyclonal Antibody | anti-ANGPT2 antibody

ANGPT2 Antibody

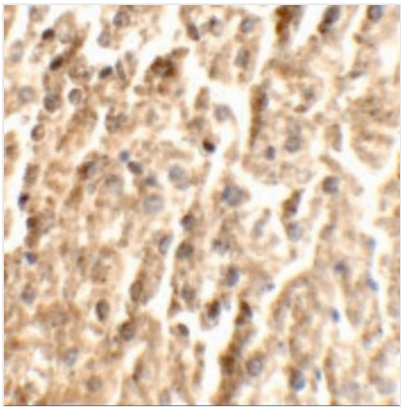
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40172	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

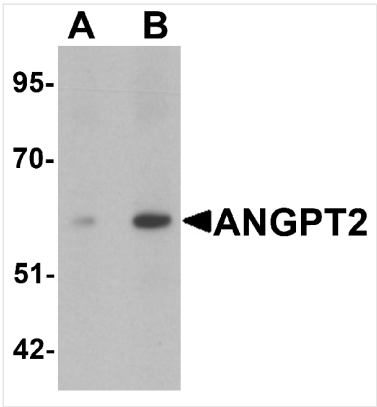
ANGPT2; Polyclonal Antibody; ANGPT2 Antibody; ANG2; AGPT2; Angiopoietin-2; ANG-2; angiopoietin 2; anti-ANGPT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least three isoforms of ANGPT2 are known to exist; this antibody will detect all three isoforms.
Purity/Purification	ANGPT2 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	496
Applicable Applications for anti-ANGPT2 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ANGPT2 antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human ANGPT2.
Buffer	ANGPT2 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ANGPT2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.



IHC (Immunohistochemistry)
Immunohistochemistry of ANGPT2 in mouse liver tissue with ANGPT2 antibody at 2.5 μg/mL.



WB (Western Blot)
Western blot analysis of ANGPT2 in human liver tissue lysate with ANGPT2 antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ANGPT2 antibody	ANGPT2 Antibody: Angiopoietin-2 (ANGPT2) is a member of the Ang family, a family of angiogenic factors that play major roles in angiogenesis during the development and growth of human cancers, but also during lymphangiogenesis. ANGPT2 is generally considered an antagonist of ANGPT1 and endothelial TEK tyrosine kinase (TIE-2, TEK). ANGPT2 disrupts the vascular remodeling ability of ANGPT1 and is thought to induce endothelial cell apoptosis, resulting in vessel regression. Expression of ANGPT2 has been linked to invasive and metastatic phenotypes of gliomas and other cancers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557315
NCBI GeneID	285
NCBI Accession #	NP_001138
NCBI GenBank Nucleotide #	NM_001147.2
UniProt Accession #	O15123; Q9NRR7; Q9P2Y7; A0AV38; A8K205; B7ZLM7
Molecular Weight	56,848 Da
NCBI Official Full Name	angiopoietin-2 isoform a
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiopoietin-2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a
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.