

## ANGP2 Polyclonal Antibody

<b>Catalog No :</b>	YT6288
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	ANGP2
<b>Fields :</b>	>>MAPK signaling pathway;>>Ras signaling pathway;>>Rap1 signaling pathway;>>HIF-1 signaling pathway;>>PI3K-Akt signaling pathway;>>Kaposi sarcoma-associated herpesvirus infection
<b>Gene Name :</b>	ANGPT2
<b>Protein Name :</b>	ANGP2
<b>Human Gene Id :</b>	285
<b>Human Swiss Prot No :</b>	O15123
<b>Immunogen :</b>	Synthesized peptide derived from human ANGP2
<b>Specificity :</b>	This antibody detects endogenous levels of human ANGP2
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000, ELISA(peptide)1:5000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	55kD

## Background :

The protein encoded by this gene 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. [provided by RefSeq, Jul 2008],

## Function :

function: Binds to TIE2 receptor and counteracts blood vessel maturation/stability mediated by angiopoietin-1. Its function may be context-dependent. In the absence of angiogenic inducers, such as VEGF, ANG2-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.,online information:Angiopoietin entry,similarity:Contains 1 fibrinogen C-terminal domain.,

## Subcellular Location :

Secreted .

## Expression :

Colon,Lung,Substantia nigra,Umbilical vein endothelial cell,

## Products Images

Western blot analysis of various lysates, primary antibody was diluted at 1:1000, 4° over night, secondary antibody(cat: RS23920)was diluted at 1:10000, 37° 1hour.

