

ANGP2 Polyclonal Antibody

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

