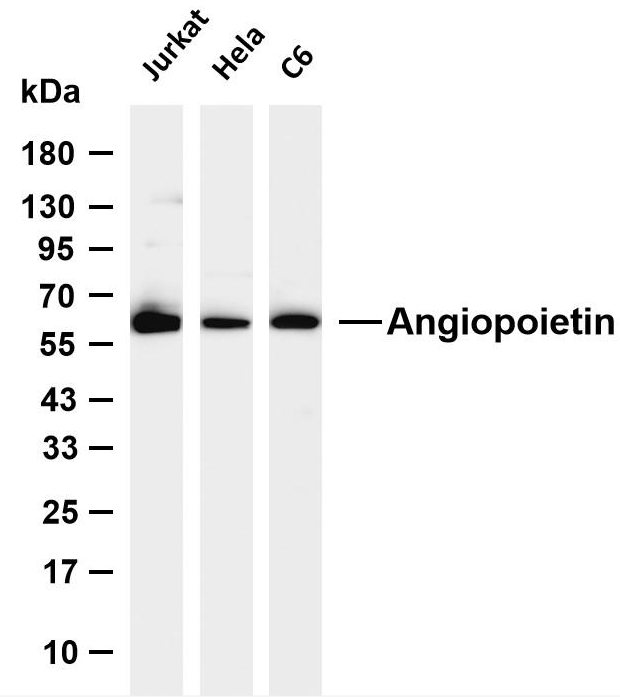
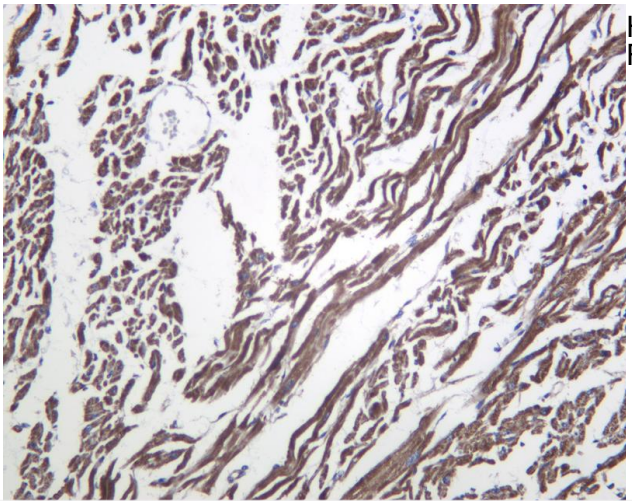
Angiopoietin 1 Rabbit mAb

Catalog No	YP-rAb-17167
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	ANGPT1
Protein Name	Angiopoietin-1
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	ANGPT1 ; KIAA0003 ; Angiopoietin-1 ; ANG-1
Observed Band	58kD
Calculated Molecular Weight	58kD
Cell Pathway	Secreted.
Tissue Specificity	
Function	angiogenesis, ovarian follicle development, blood vessel development, response to hypoxia, vasculature development,reproductive developmental process, protein complex assembly, cell surface receptor linked signal transduction,enzyme linked receptor protein signaling pathway, transmembrane receptor protein tyrosine kinase signaling pathway, sex differentiation, response to nutrient, gonad development, female gonad development, response to endogenous stimulus, response to hormone stimulus, response to extracellular stimulus, response to organic substance, ovulation cycle process, regeneration, organ regeneration, response to nutrient levels, multicellular organism reproduction, response to vitamin, response to vitamin B3, ovulation cycle, response to estrogen stimulus,macromolecular complex subunit organization, development of primary sexual characteristics, regulation of anti-apoptosis, positive regulation of anti-apoptosis, development of primary female sexual characteristics, female sex

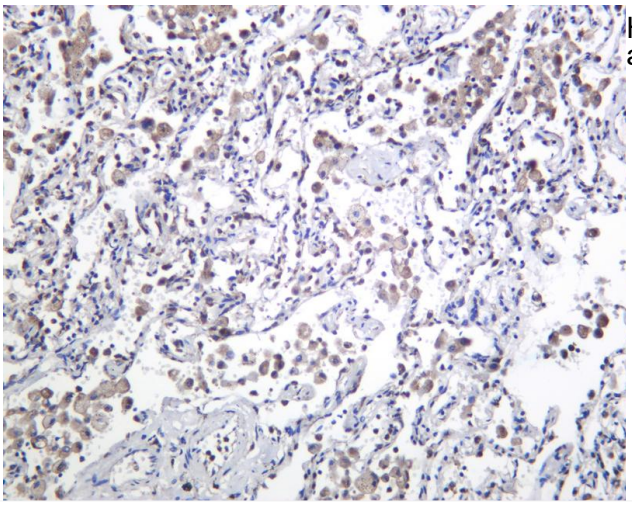
	differentiation, rhythmic process, blood vessel morphogenesis, response to steroid hormone stimulus, reproductive structure development, reproductive process in a multicellular organism, protein oligomerization, protein homooligomerization, macromolecular complex assembly, protein complex biogenesis, response to oxygen levels,
Background	function:Binds and activates TIE2 receptor by inducing its tyrosine phosphorylation. Implicated in endothelial developmental processes later and distinct from that of VEGF. Appears to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Mediates blood vessel maturation/stability. It may play an important role in the heart early development.,miscellaneous:It may have a potential therapeutic utility since it can be used for specifically targeting tumor vasculature or for promoting angiogenic processes in certain organs such as an ischemic heart.,online information:Angiopoietin entry,PTM:Glycosylated.,similarity:Contains 1 fibrinogen C-terminal domain.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Angiopoietin 1 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Jurkat Lane 2: Hela Lane 3: C6 Predicted band size: 58kDa Observed band size: 58kDa



Human heart was stained with anti-Angiopoietin 1 Rabbit antibody



Human lung was stained with anti-Angiopoietin 1 Rabbit antibody