



ANGP2 Rabbit mAb

Catalog No	YP-rAb-17199
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Gene Name	ANGPT2
Protein Name	Angiopoietin-2
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	ANGP2;Angiopoietin-2;ANGPT2 ; Angiopoietin-2 ; ANG-2;ANGPT2
Observed Band	55kD
Calculated Molecular Weight	57kD
Cell Pathway	Secreted .
Tissue Specificity	Colon,Lung,Substantia nigra,Umbilical vein endothelial cell,
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.,
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],



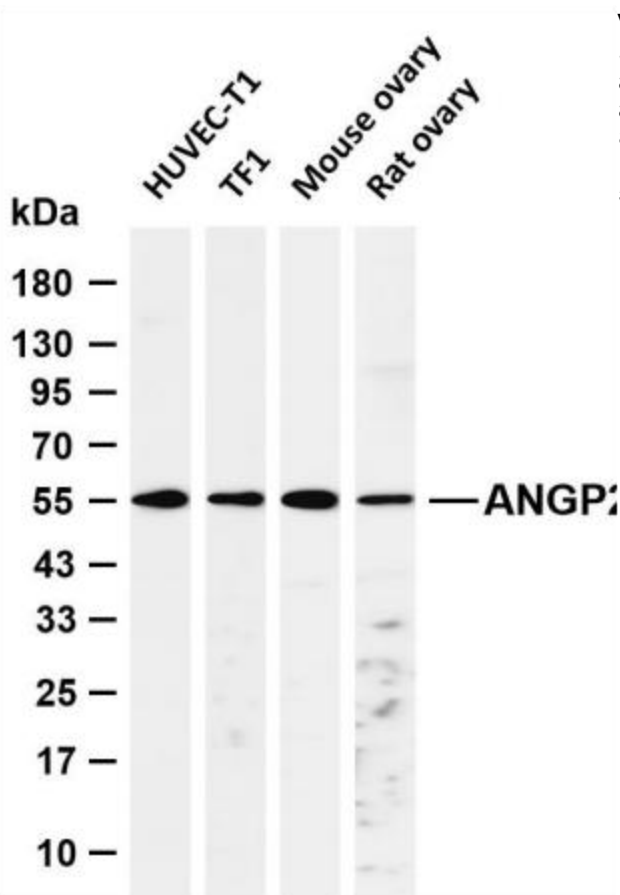


matters needing attention

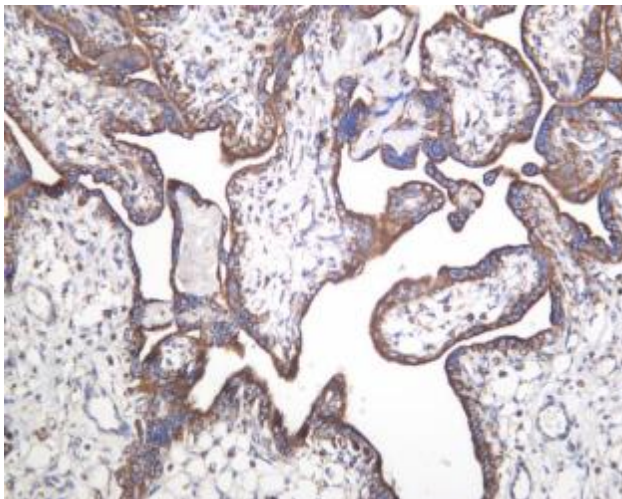
Avoid repeated freezing and thawing!

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-ANGPT2 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HUVEC-T1 Lane 2: TF1 Lane 3: Mouse ovary Lane 4: Rat ovary Predicted band size: 57kDa Observed band size: 55kDa



Human placenta was stained with anti-ANGPT2 Rabbit antibody

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