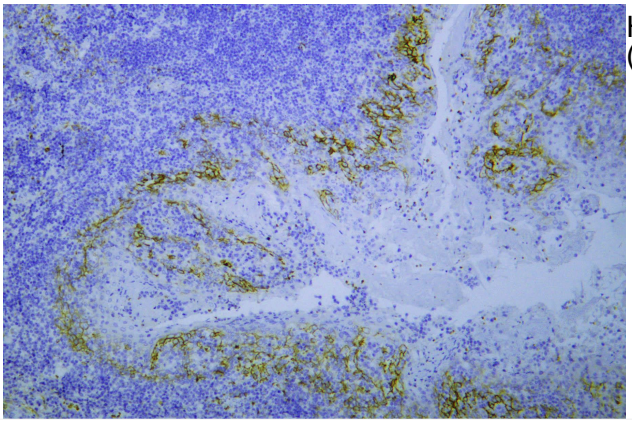
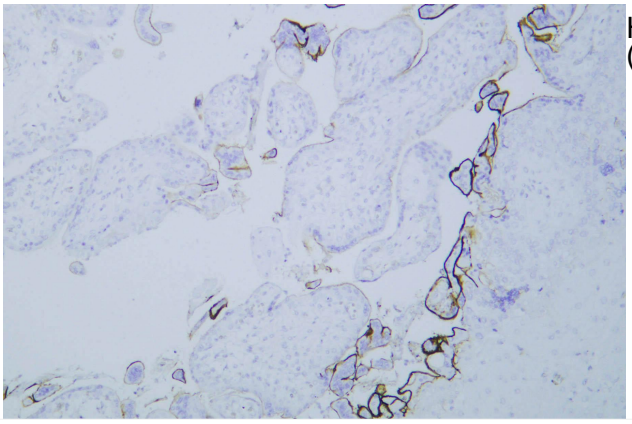
CD141 (Thrombomodulin) (ABT87R) Rabbit mAb (Ready to Use)

Catalog No	YP-rAb-18181
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	IHC
Gene Name	THBD
Protein Name	CD141
Purification Process	Protein A
Specificity	This antibody detects endogenous levels of CD141
Formulation	The prediluted ready-to-use antibody is diluted in phosphate buffer saline containing stabilizing protein and 0.05% Proclin 300
Source	Monoclonal, Rabbit,IgG
Dilution	Ready to use for IHC Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	2° C to 8° C/1 year,Ship by ice bag
Synonyms	AHUS 6 ; AHUS6 ; BDCA 3 ; BDCA3 ; CD 141 ; CD141 ; CD141 antigen ; Fetomodulin ; Thbd ; THPH12 ; THRM ; Thrombomodulin ; TM ; TRBM_HUMAN
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membranous
Tissue Specificity	Endothelial cells are unique in synthesizing thrombomodulin.
Function	Disease:Defects in THBD are the cause of thrombophilia due to thrombomodulin defect (THR-THBDD) [MIM:188040]. THR-THBDD is a hemostatic disorder characterized by a tendency to thrombosis.,Function:Thrombomodulin is a specific endothelial cell receptor that forms a 1:1 stoichiometric complex with thrombin. This complex is responsible for the conversion of protein C to the activated protein C (protein Ca). Once evolved, protein Ca scissions the activated cofactors of the coagulation mechanism, factor Va and factor VIIIa, and thereby reduces the amount of thrombin generated.,online information:Thrombomodulin,online information:Thrombomodulin

	entry,PTM:N-glycosylated.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,similarity:Contains 1 C-type lectin domain.,similarity:Contains 6 EGF-like domains.,tissue specificity:Endothelial cells are unique in synthesizing thrombomodulin.,
Background	The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. [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.



Human tonsil was stained with anti-CD141 (Thrombomodulin) (ABT87R) rabbit mAb



Human placenta was stained with anti-CD141 (Thrombomodulin) (ABT87R) rabbit mAb