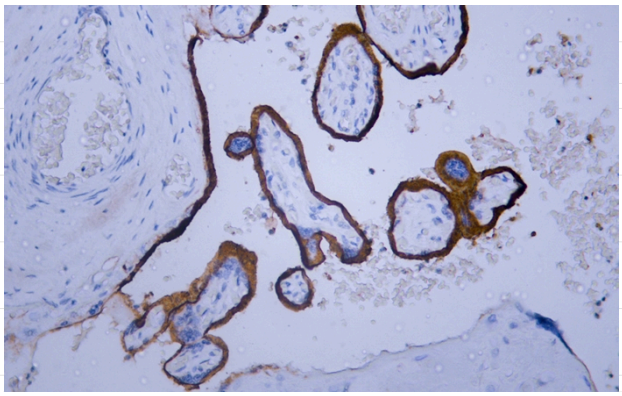
CD141 mouse mAb(ABT145)

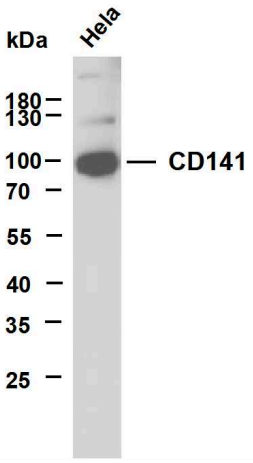
Catalog No	YP-Ab-15543
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	IHC,WB
Gene Name	THBD THRM
Immunogen	Synthesized peptide derived from human CD141
Specificity	The antibody can specifically recognize human CD141 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.58% sodium azide.
Source	Mouse, Monoclonal/IgG2b, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AHUS 6;AHUS6;BDCA 3;BDCA3;CD 141;CD141;CD141 antigen;Fetomodulin; Thbd;THPH12;THRM;Thrombomodulin;TM;TRBM_HUMAN;THBD THRM; Thrombomodulin (TM;CD antigen CD141)
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Membrane; Single-pass type I membrane protein.
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 specific
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.

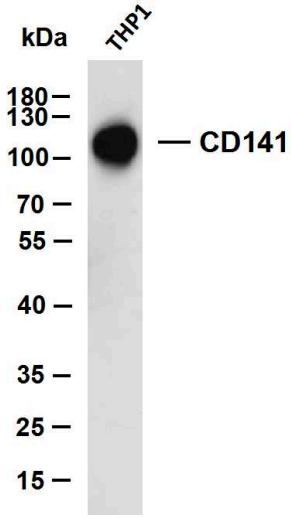
Products Images



Human placenta tissue was stained with anti-CD141(ABT145) antibody.



Hela whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD141 (ABT145) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: Hela Predicted band size: 60kDa Observed band size: 100kDa



THP1 whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-CD141(ABT145) antibody. The HRP-conjugated Goat anti-Mouse IgG(H + L) antibody was used to detect the antibody. Lane 1: THP1 Predicted band size: 70kDa Observed band size: 70kDa