



CD141 Rabbit mAb

Catalog No	YP-rAb-18204
Isotype	IgG
Reactivity	Human
Applications	WB,IHC,IF,IP,ELISA
Gene Name	THBD
Protein Name	Thrombomodulin
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; IP 1:50-1:200; 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	CD141;Thrombomodulin;THBD ; THRM ; Thrombomodulin ; TM ; Fetomodulin ; CD antigen CD141;THBD
Observed Band	105kD
Calculated Molecular Weight	95kD
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 specificity:Endothelial cells are unique in synthesizing



thrombomodulin.,

Background

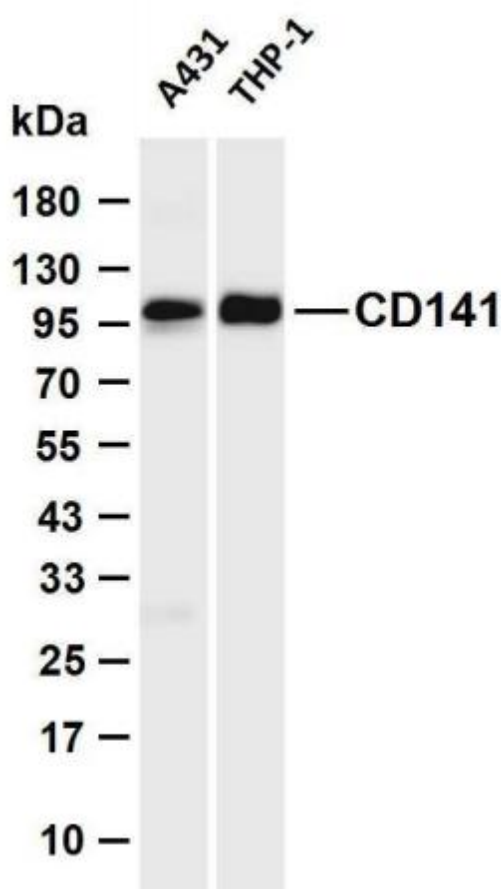
The protein encoded by this intronless gene is an endothelial-specific type I membrane receptor that binds thrombin. This binding results in the activation of protein C, which degrades clotting factors Va and VIIIa and reduces the amount of thrombin generated. Mutations in this gene are a cause of thromboembolic disease, also known as inherited thrombophilia. [provided by RefSeq, Jul 2008],

matters needing attention

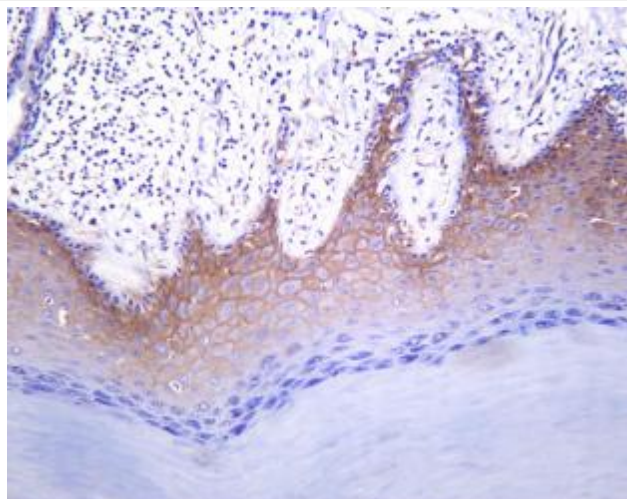
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD141 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: A431 Lane 2: THP-1 Predicted band size: 95kDa Observed band size: 105kDa



Human skin was stained with anti-CD141 Rabbit antibody

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