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Anti-THBD / CD141 / Thrombomodulin Antibody (C-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18276

Product Information

Application	WB, IHC-P
Primary Accession	P07204
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60329
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	7056
Alias Symbol	THBD
Other Names	THBD, BDCA3, CD141 antigen, CD141, AHUS6, Fetomodulin, THPH12, TM, THRM, Thrombomodulin
Target/Specificity	Recognizes endogenous levels of CD141 protein.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-THBD / CD141 / Thrombomodulin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	THBD
Synonyms	THRM
Function	Endothelial cell receptor that plays a critical role in regulating several physiological processes including hemostasis, coagulation, fibrinolysis, inflammation, and angiogenesis (PubMed:10761923). Acts as a cofactor for thrombin activation of protein C/PROC on the surface of vascular endothelial cells leading to initiation of the activated protein C anticoagulant pathway (PubMed:29323190, PubMed:33836597, PubMed:9395524). Also accelerates the activation of the plasma carboxypeptidase B2/CPB2, which catalyzes removal of C-terminal basic amino acids from its substrates including kinins or anaphylatoxins leading to fibrinolysis inhibition (PubMed:26663133). Plays critical protective roles in changing the cleavage specificity of protease-activated receptor 1/PAR1, inhibiting endothelial cell permeability

	and inflammation (By similarity). Suppresses inflammation distinctly from its anticoagulant cofactor activity by sequestering HMGB1 thereby preventing it from engaging cellular receptors such as RAGE and contributing to the inflammatory response (PubMed:15841214).
Cellular Location	Membrane; Single-pass type I membrane protein.
Tissue Location	Endothelial cells are unique in synthesizing thrombomodulin

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.