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抗血栓调节蛋白

Mouse Monoclonal antibody(Mab)
Catalog # AD80348

Product Information

Application	IHC-P
Primary Accession	P07204
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	746E8A9
Calculated MW	60329

Additional Information

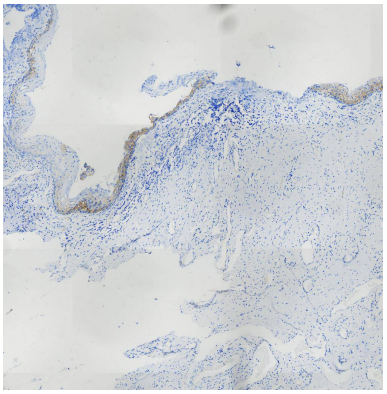
Gene ID	7056
Gene Name	THBD
Other Names	Thrombomodulin, TM, Fetomodulin, CD141, THBD, THRM
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	Thrombomodulin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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

Images



Immunohistochemical analysis of formalin-fixed and paraffin-embedded human cervical carcinoma tissue was performed with TM primary antibody, followed by peroxidase-conjugated secondary antibody and DAB staining.

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