

Polyclonal Antibody to Thrombomodulin (TM)

Thrombomodulin
Catalog # AP74590

Product Information

Application	WB
Primary Accession	Q5W7P8
Reactivity	Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60745

Additional Information

Gene ID	474355
Other Names	CD141; THBD; BDCA3; THRM; Fetomodulin
Target/Specificity	Canis familiaris; Canine (Dog)
Dilution	WB~~Western blotting: 0.5-2ug/ml Immunocytochemistry in formalin fixed cells: 5-20ug/ml Immunohistochemistry in formalin fixed frozen section: 5-20ug/ml Immunohistochemistry in paraffin section: 5-20ug/ml Enzyme-linked Immunosorbent Assay: 0.05-2ug/ml Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	THBD
Function	Endothelial cell receptor that plays a critical role in regulating several physiological processes including hemostasis, coagulation, fibrinolysis, inflammation, and angiogenesis. 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. 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 (By similarity). 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 (By similarity).

Cellular Location

Membrane {ECO:0000250|UniProtKB:P07204}; Single- pass type I membrane protein {ECO:0000250|UniProtKB:P07204}

Tissue Location

Expressed in lung, liver, spleen, kidney, pancreas and lymph node. Low expression in heart, cerebrum, urinary bladder and uterus.

Images

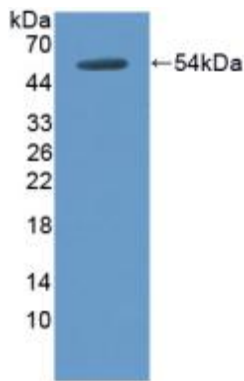


Figure. Western Blot; Sample: Recombinant thrombomodulin, Canine.

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