

Anti-Thrombomodulin Polyclonal Antibody 2

Product Details

Ig Type:	IgG
Reactivity:	Human (predicted:Mouse,Dog,Cow,Sheep)
Molecular Weight:	Theoretical: 61 kDa. Actual: 120 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Sample:
	Lane 1: A431 (Human) Cell Lysate at 30 µg
	Lane 2: Huvec (Human) Cell Lysate at 30 µg
	Lane 3: A549 (Human) Cell Lysate at 30 µg
	Primary: Anti-Thrombomodulin (TMAB-13520) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 61 kD Observed band size: 120 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human Thrombomodulin
Antigen Species:	Human
Gene ID:	7056
Uniprot ID:	P07204

Research Background

Thrombomodulin, TM is cell surface glycoprotein; plays an important role in the protein C anticoagulant pathway. It is located in a vein, artery and capillary endothelial cells on the surface of plasma membrane protein. It is generally believed: TM vascular endothelial injury is an important parameter is the thrombin receptor, known in a variety of normal human tissues, can also be expressed in many tumors, TM may be similar to the E-cadherin, and is a lectin like activity of a new class of members of the cell adhesion molecules.

CD141/Thrombomodulin is an exclusively endothelial cell surface glycoprotein that forms a 1:1 complex with thrombin. Binding of thrombin to this high-affinity receptor alters its specificity toward several substrates. The complex activates protein C approximately 1000 times faster than thrombin alone. Activated protein C degrades clotting factors V and VIII; thus, thrombomodulin converts thrombin into a physiologic anticoagulant.

Thrombomodulin is also found in the circulatory and urinary systems, the physiologic significance of this is obscure.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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