

Datasheet for ABIN669636  
**anti-Thrombomodulin antibody**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	Thrombomodulin (THBD)
Reactivity:	Human, Rat, Mouse, Dog, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Thrombomodulin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Thrombomodulin
Isotype:	IgG
Cross-Reactivity:	Cow, Dog, Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	Thrombomodulin (THBD)
Alternative Name:	Thrombomodulin ( <a href="#">THBD Products</a> )
Background:	Synonyms: Thrombomodulin, CD 141, CD141, CD141 antigen, Fetomodulin, THBD, THRM, TM, AHUS 6, AHUS6, BDCA 3, BDCA3, THPH12, TRBM_HUMAN. Background: Thrombomodulin, TM is cell surface glycoprotein, plays an important role in the

## Target Details

protein C anticoagulant pathway. It 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.

Molecular Weight:	61kDa
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Gene ID:	21824
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## Application Details

Application Notes:	WB(1:100-500) Optimal working dilution should be determined by the investigator.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
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Concentration:	1 µg/µL
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Buffer:	Aqueous buffered solution containing 1 % BSA, 50 % glycerol and 0.09 % sodium azide.
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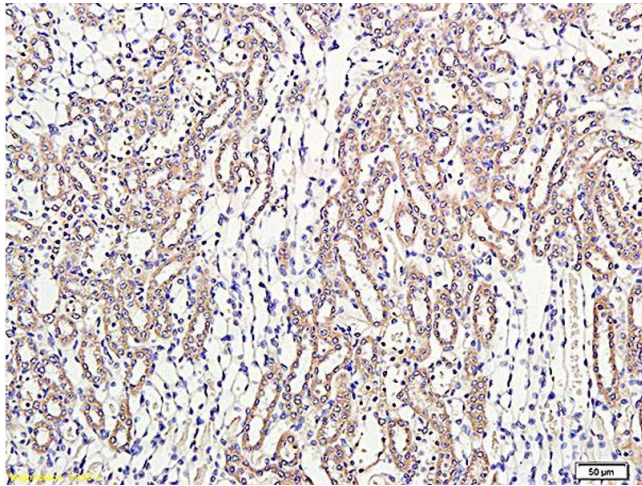
Preservative:	Sodium azide
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Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	-20 °C
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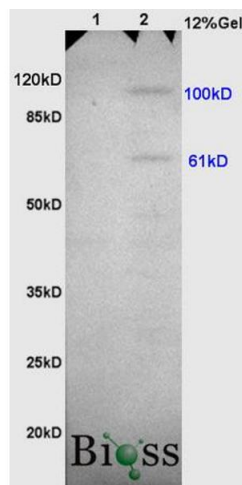
Storage Comment:	Store at -20°C for 12 months.
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Expiry Date:	12 months
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### Immunohistochemistry

**Image 1.** Formalin-fixed and paraffin embedded: rat kidney labeled with Anti-Thrombomodulin/CD141 Polyclonal Antibody, Unconjugated (ABIN669636) at 1:300 followed by conjugation to the secondary antibody and DAB staining



### SDS-PAGE

**Image 2.** L1 rat heart, L2 rat brain lysates probed (ABIN669636) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted and observed band size: 61kDa.