

# Tissue Factor Rabbit mAb

Catalog # AP76284

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F
<b>Primary Accession</b>	<a href="#">P13726</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Purified
<b>Calculated MW</b>	33068

## Additional Information

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<b>Gene ID</b>	2152
<b>Other Names</b>	F3
<b>Dilution</b>	WB~~1:1000-1:5000 IHC-P~~N/A IHC-F~~N/A
<b>Format</b>	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	F3
<b>Function</b>	Initiates blood coagulation by forming a complex with circulating factor VII or VIIa. The [TF:VIIa] complex activates factors IX or X by specific limited proteolysis. TF plays a role in normal hemostasis by initiating the cell-surface assembly and propagation of the coagulation protease cascade.
<b>Cellular Location</b>	[Isoform 1]: Membrane; Single-pass type I membrane protein
<b>Tissue Location</b>	Lung, placenta and pancreas.

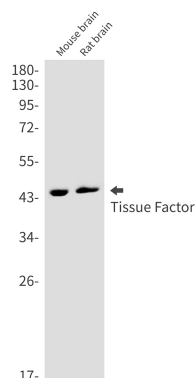
## Background

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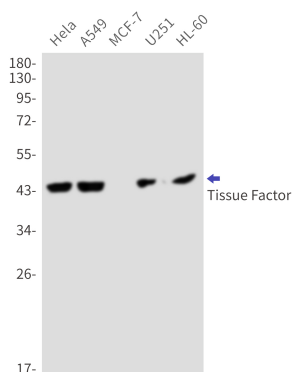
This gene encodes coagulation factor III which is a cell surface glycoprotein. This factor enables cells to initiate the blood coagulation cascades, and it functions as the high-affinity receptor for the coagulation

factor VII. The resulting complex provides a catalytic event that is responsible for initiation of the coagulation protease cascades by specific limited proteolysis. Unlike the other cofactors of these protease cascades, which circulate as nonfunctional precursors, this factor is a potent initiator that is fully functional when expressed on cell surfaces, for example, on monocytes. There are 3 distinct domains of this factor: extracellular, transmembrane, and cytoplasmic. Platelets and monocytes have been shown to express this coagulation factor under procoagulatory and proinflammatory stimuli, and a major role in HIV-associated coagulopathy has been described. Platelet-dependent monocyte expression of coagulation factor III has been described to be associated with Coronavirus Disease 2019 (COVID-19) severity and mortality. This protein is the only one in the coagulation pathway for which a congenital deficiency has not been described. Alternate splicing results in multiple transcript variants.

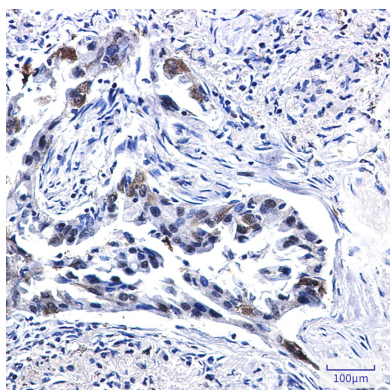
## Images



Western blot analysis of Tissue Factor in mouse brain, rat brain lysates using Tissue Factor antibody.



Western blot analysis of Tissue Factor in HeLa, A549, MCF-7, U251, HL-60 lysates using Tissue Factor antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Tissue Factor antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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