

## Product datasheet for **TA323734**

### Factor VII (F7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: NIH/3T3, 293T and Jurkat cells IHC: 25-100 Positive control: Human lung cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human coagulation factor VII (serum prothrombin conversion accelerator)
Formulation:	PBS pH7.3, 0.05% NaN <sub>3</sub> , 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	49 kDa
Gene Name:	coagulation factor VII
Database Link:	<a href="#">NP_000122</a> <a href="#">Entrez Gene 14068 Mouse</a> <a href="#">Entrez Gene 2155 Human</a> <a href="#">P08709</a>



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**Background:**

This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for hemostasis. This factor circulates in the blood in a zymogen form; and is converted to an active form by either factor IXa; factor Xa; factor XIIa; or thrombin by minor proteolysis. Upon activation of the factor VII; a heavy chain containing a catalytic domain and a light chain containing 2 EGF-like domains are generated; and two chains are held together by a disulfide bond. In the presence of factor III and calcium ions; the activated factor then further activates the coagulation cascade by converting factor IX to factor IXa and/or factor X to factor Xa. Defects in this gene can cause coagulopathy. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

**Synonyms:**

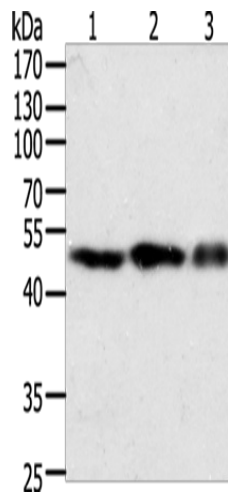
SPCA

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Complement and coagulation cascades

**Product images:**

Gel: 10%SDS-PAGE

Lysate: 40 µg

Lane 1-3: NIH/3T3 cells

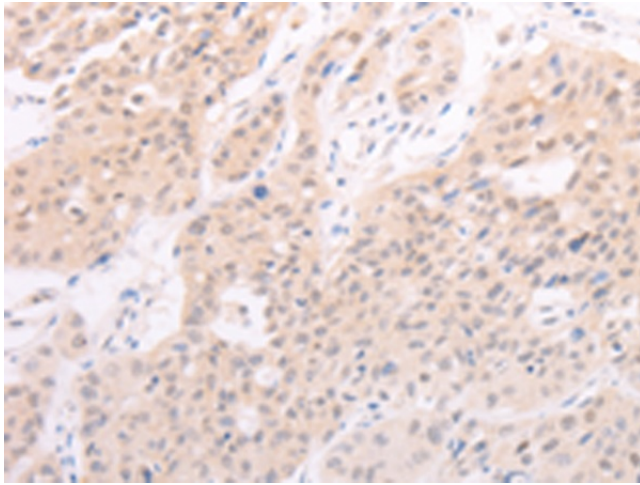
293T cells

Jurkat cells

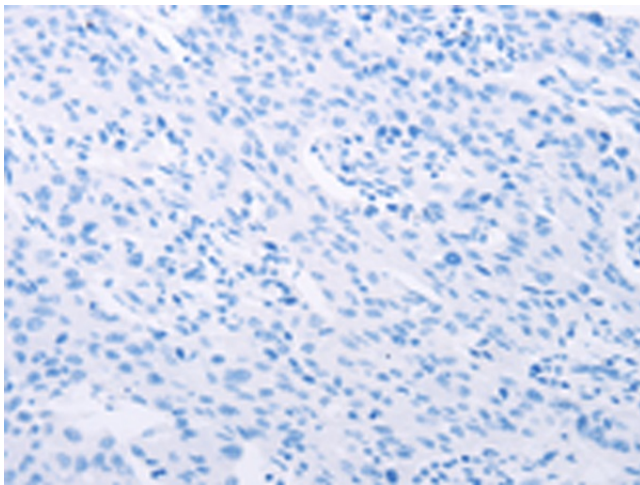
Primary antibody: TA323734 (F7 Antibody) at dilution 1/400

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

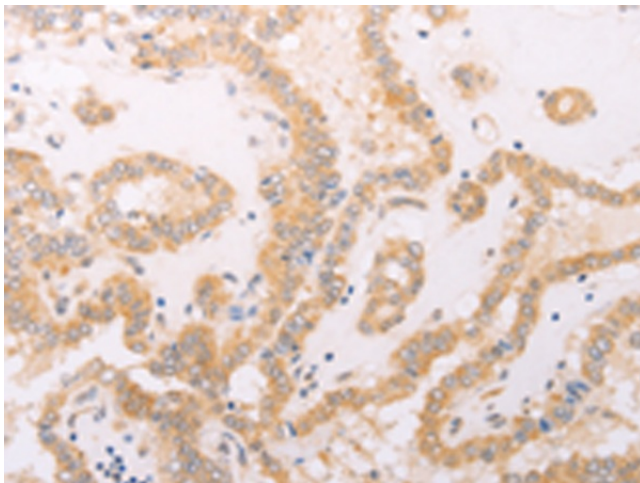
Exposure time: 30 seconds



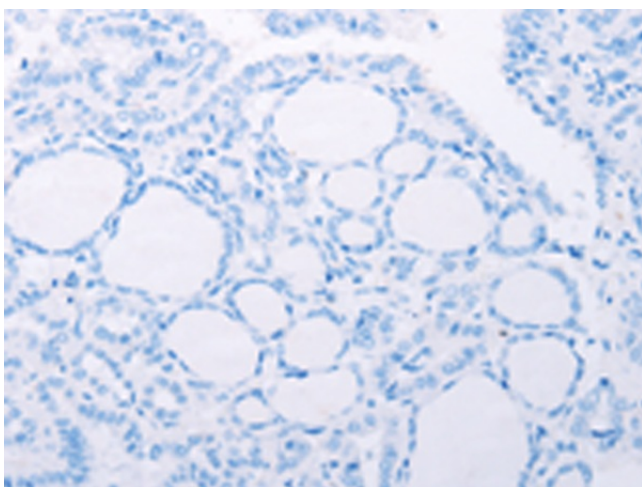
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323734 (F7 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using TA323734 (F7 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323734 (F7 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA323734 (F7 Antibody) at dilution 1/40, treated with fusion protein. (Original magnification: x200)