

Product datasheet for **TA323734S**

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 ₃ , 50% glycerol
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:	NP_000122 Entrez Gene 14068 Mouse Entrez Gene 2155 Human P08709



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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:

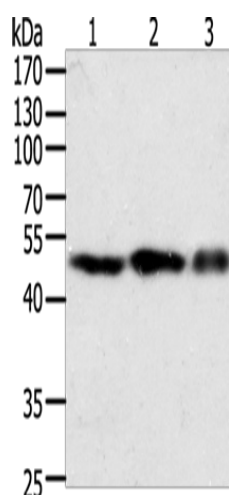
SPCA

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

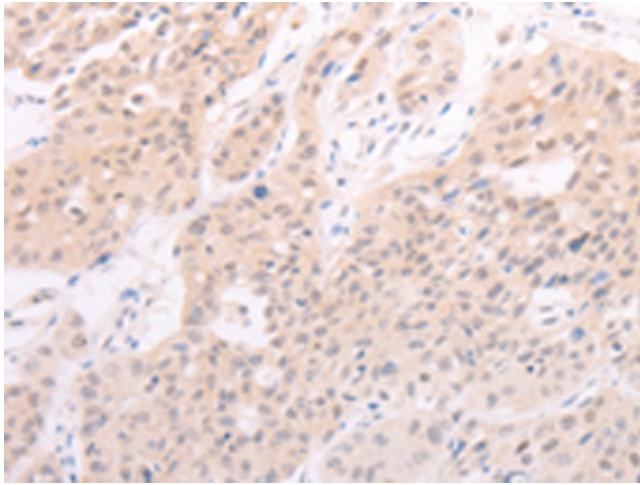
293T cells

Jurkat cells

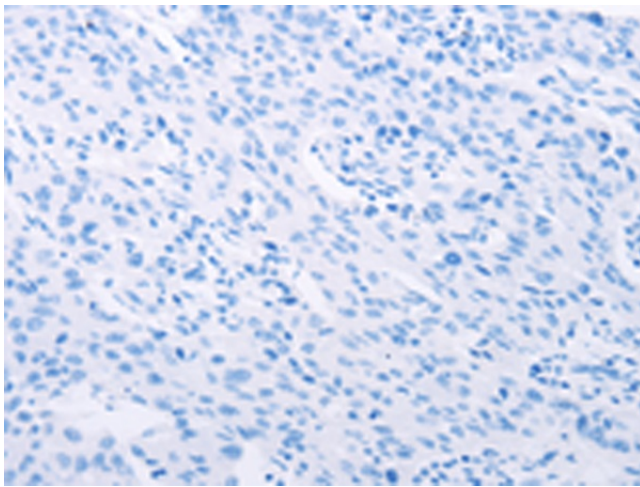
Primary antibody: [TA323734] (F7 Antibody) at dilution 1/400

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

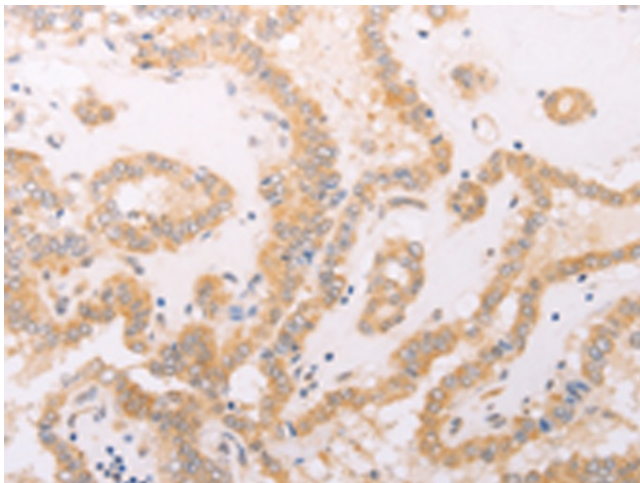
Exposure time: 30 seconds



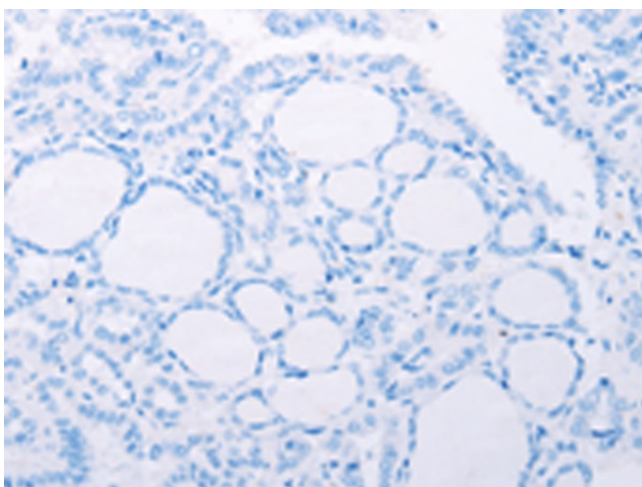
Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA323734] (F7 Antibody) at dilution 1/40 (Original magnification: $\times 200$)



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



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



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