

## Product datasheet for **TA323733S**

### Factor VII (F7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 15-50 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to a region derived from 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
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	coagulation factor VII
Database Link:	<a href="#">NP_000122</a> <a href="#">Entrez Gene 2155 Human P08709</a>

**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.



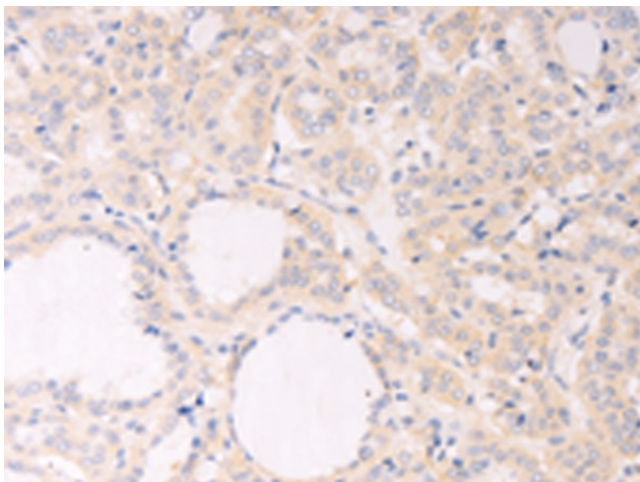
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Synonyms: SPCA

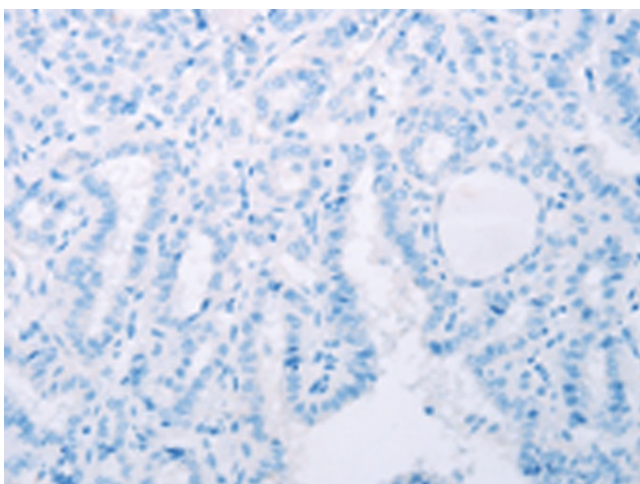
Protein Families: Druggable Genome, Protease

Protein Pathways: Complement and coagulation cascades

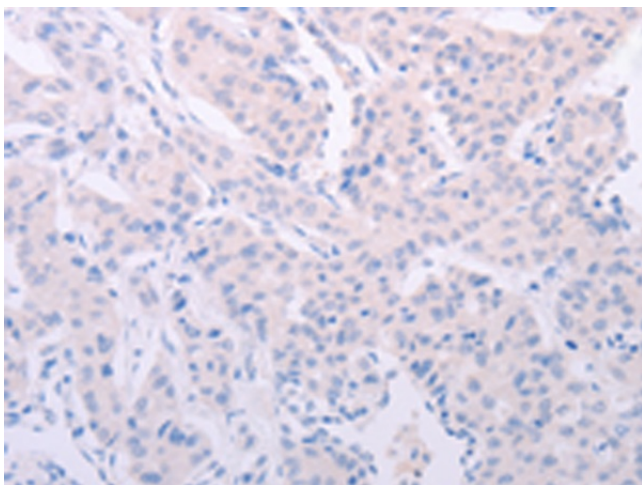
### Product images:



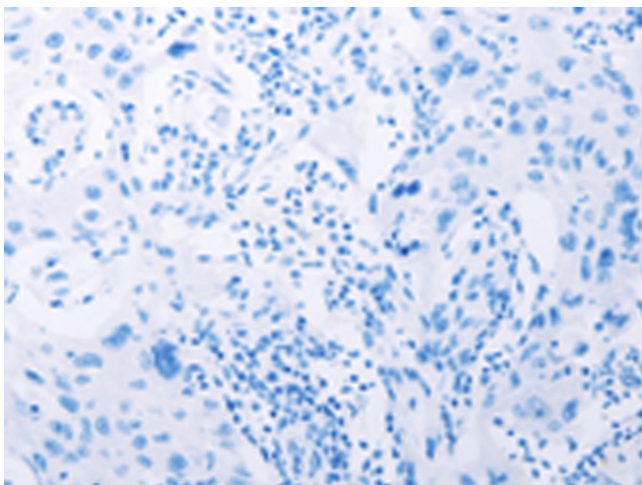
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA323733] (F7 Antibody) at dilution 1/30 (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using [TA323733] (F7 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: x200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA323733] (F7 Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human lung cancer tissue using [TA323733] (F7 Antibody) at dilution 1/30, treated with fusion protein. (Original magnification: ×200)