

## Product datasheet for **TA342831**

### Factor VII (F7) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-F7 antibody: synthetic peptide directed towards the middle region of human F7. Synthetic peptide located within the following region: RCHEGYSLADGVSCTPTVEYPCGKIPILEKRNASKPQGRIVGGKVC PKG
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	28 kDa
Gene Name:	coagulation factor VII
Database Link:	<a href="#">NP_000122</a> <a href="#">Entrez Gene 2155 Human 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. Alternative splicing of this gene results in 2 transcripts. Defects in this gene can cause coagulopathy.

**Synonyms:**

SPCA

**Note:**

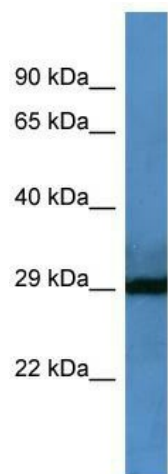
Immunogen Sequence Homology: Human: 100%; Horse: 86%; Bovine: 86%; Rabbit: 85%; Rat: 83%; Pig: 79%

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Complement and coagulation cascades

**Product images:**

WB Suggested Anti-F7 Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1:62500; Positive Control: Jurkat cell lysate