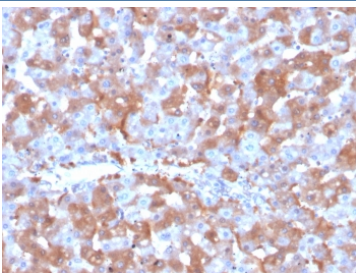


## F7 Antibody / Coagulation Factor VII [clone F7/3515] (V4330)

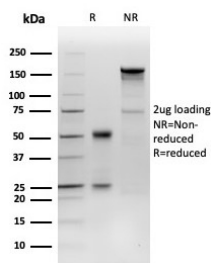
Catalog No.	Formulation	Size
V4330-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4330-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4330SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2, kappa
<b>Clone Name</b>	F7/3515
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P08709
<b>Localization</b>	Secreted, Cytoplasm
<b>Applications</b>	ELISA (Order BSA-free Format For Coating) : Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
<b>Limitations</b>	This F7 antibody is available for research use only.



IHC staining of FFPE human liver tissue with F7 antibody (clone F7/3515). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free F7 antibody (clone F7/3515) as confirmation of integrity and purity.

## Description

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (prothrombin and Factors X, IX, V and VIII), which are involved in a blood coagulation cascade that leads to the formation of insoluble Fibrin clots and the promotion of platelet aggregation. Coagulation Factor VII (serum prothrombin conversion accelerator, proconvertin, F7, Factor VII) is a 406 amino acid, vitamin K-dependent, single chain serine protease that is synthesized in the liver and circulates as an inactive precursor. Factor IX A, Factor X A, Factor XII A or Thrombin-mediated proteolytic cleavage of Factor VII at Arg 152-Ile 153 generates Factor VII A, an active serine protease composed of a catalytic heavy chain disulfide linked to a light chain, containing two EGF-like domains. Mutations at the F7 locus that lead to Factor VII deficiencies are generally asymptomatic or phenotypically uncharacterized, with hemorrhagic diathesis occurring at extremely low levels.

## Application Notes

Optimal dilution of the F7 antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 366-466) from the human protein was used as the immunogen for the F7 antibody.

## Storage

Aliquot the F7 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.