

Datasheet for ABIN2788317

anti-Factor VII antibody (Middle Region)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Factor VII (F7)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Cow, Rabbit, Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Factor VII antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human F7
Sequence:	RCHEGYSLLA DGVSCTPTVE YPCGKIPILE KRNASKPQGR IVGGKVCPKG
Predicted Reactivity:	Cow: 86%, Horse: 86%, Human: 100%, Pig: 79%, Rabbit: 85%, Rat: 83%
Characteristics:	This is a rabbit polyclonal antibody against F7. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Factor VII (F7)
Alternative Name:	F7 (F7 Products)
Background:	This gene encodes coagulation factor VII which is a vitamin K-dependent factor essential for

Target Details

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.

Alias Symbols: SPCA

Protein Interaction Partner: FUS, CEP76, CEP250, VCP, RCHY1, ALB, UIMC1, USP49, DMWD, F9, F10, F7, HPN, GGCX, F3,

Protein Size: 466

Molecular Weight:	52 kDa
Gene ID:	2155
NCBI Accession:	NM_000131 , NP_000122
UniProt:	P08709
Pathways:	Response to Growth Hormone Stimulus , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 466 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-F7 Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:62500

Positive Control: Jurkat cell lysate



Rabbit Anti-F7 Antibody
Catalog Number: ARP60039
Lot Number: QC30940
Lane: Jurkat Cell Lysate

Antibody Titration: 1.0µg/ml
Gel Concentration: 12%

Western Blotting

Image 2. WB Suggested Anti-F7

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1::2500

Positive Control: Jurkat cell lysate