Anti-F7 antibody

Cat. No.	ml221317
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-F7 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Fusion protein of human F7
Reactivity	Human, Mouse
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	F7
Full name	Coagulation factor VII (serum prothrombin conversion accelerator)

Synonyms	SPCA
Swissprot	P08709

Target 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.
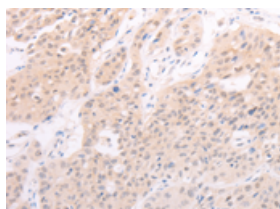
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human lung cancer

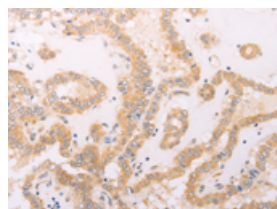Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using ml221317(F7 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human thyroid cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using ml221317(F7 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

Western blotting

Predicted band size:49 kDa

Positive control:NIH/3T3, 293T and Jurkat cells

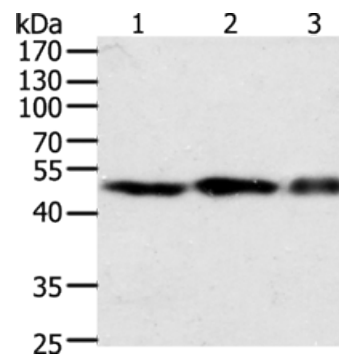Recommended dilution: 500-2000

Gel: 10%SDS-PAGE

Lysate: 40 μg

Lane 1-3: NIH/3T3 cells, 293T cells, Jurkat cells

Primary antibody: ml221317(F7 Antibody) at dilution 1/400

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

Exposure time: 30 seconds

ELISA

Recommended dilution: 2000-5000