

# F10 Rabbit pAb

**Catalog No.: A1452**

## Basic Information

**Observed MW**

75kDa

**Calculated MW**

55kDa

**Category**

Primary antibody

**Applications**

ELISA,WB,IF/ICC

**Cross-Reactivity**

Human, Mouse

## Background

This gene encodes the vitamin K-dependent coagulation factor X of the blood coagulation cascade. This factor undergoes multiple processing steps before its preproprotein is converted to a mature two-chain form by the excision of the tripeptide RKR. Two chains of the factor are held together by 1 or more disulfide bonds; the light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. The mature factor is activated by the cleavage of the activation peptide by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). The activated factor then converts prothrombin to thrombin in the presence of factor Va, Ca<sup>2+</sup>, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature polypeptides.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IF/ICC</b>	1:10 - 1:100

## Immunogen Information

**Gene ID**

2159

**Swiss Prot**

P00742

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 235-488 of human F10 (NP\_000495.1).

**Synonyms**

FX; FXA; F10

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

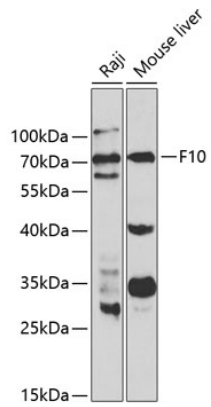
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

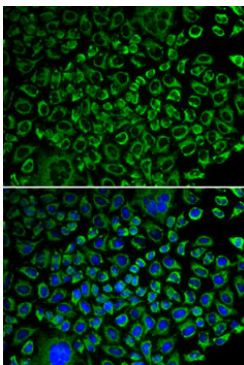
Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using F10 antibody (A1452) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.



Immunofluorescence analysis of A549 cells using F10 antibody (A1452). Blue: DAPI for nuclear staining.