

F10 Antibody

Catalog No: #32282

Package Size: #32282-1 50ul #32282-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

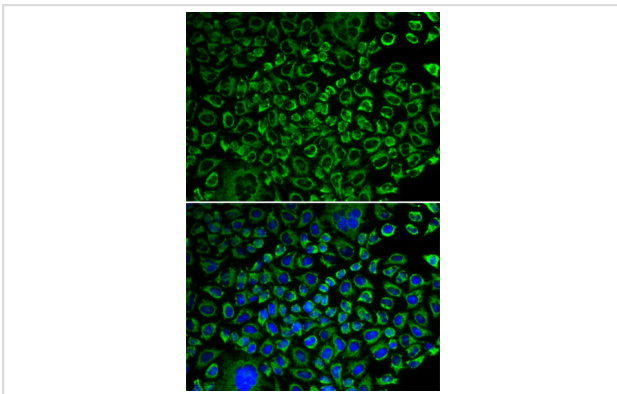
Description

Product Name	F10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB,IF
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous level of total F10 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human F10.
Target Name	F10
Other Names	FX; FXA;
Accession No.	Swiss-Prot:P00742NCBI Gene ID:2159
Uniprot	P00742
GeneID	2159;
SDS-PAGE MW	55KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

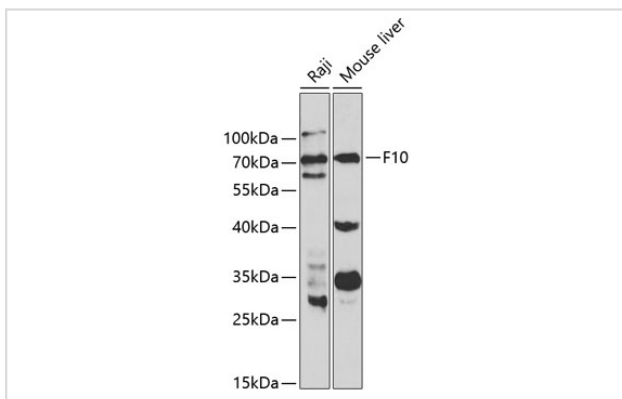
Application Details

WB □ 1:500 - 1:2000IF □ 1:10 - 1:100

Images



Immunofluorescence analysis of A549 cells using F10 . Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using F10 at 1:1000 dilution.

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, Ca²⁺, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity.

Note: This product is for in vitro research use only