

## Product datasheet for **TA308876**

### Factor X (F10) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; IHC:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 33 and 312 of Factor X (Uniprot ID#P00742)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	coagulation factor X
Database Link:	<a href="#">NP_000495</a> <a href="#">Entrez Gene 2159 Human P00742</a>



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**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. [provided by RefSeq]

**Synonyms:**

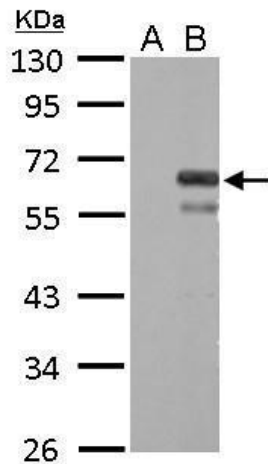
FX; FXA

**Protein Families:**

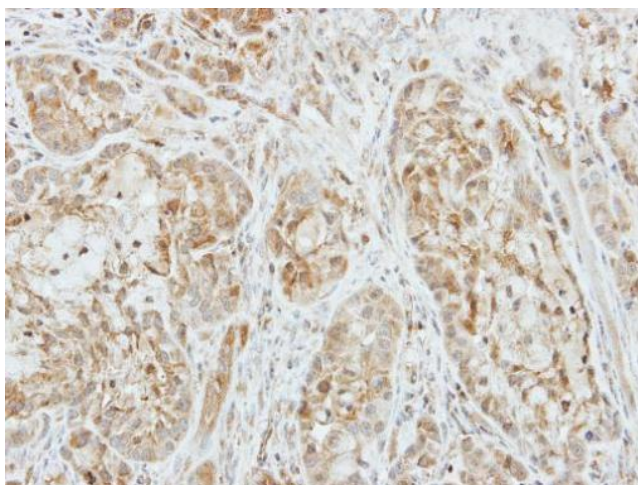
Druggable Genome, Protease, Transmembrane

**Protein Pathways:**

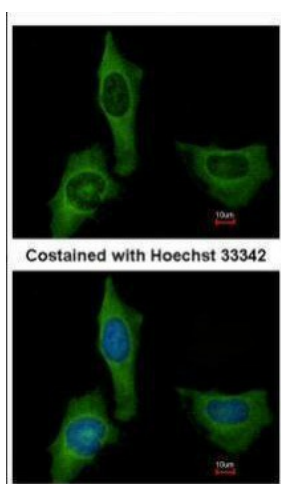
Complement and coagulation cascades

**Product images:**

Factor X antibody detects F10 protein by Western blot analysis. A. 30 ug 293T whole cell lysate/extract. B. 30 ug whole cell lysate/extract of human F10-transfected 293T cells. 10 % SDS-PAGE. Factor X antibody (TA308876) dilution: 1:5000



Immunohistochemical analysis of paraffin-embedded A549 xenograft, using Factor X (TA308876) antibody at 1:500 dilution.



Immunofluorescence analysis of methanol-fixed HeLa, using Factor X (TA308876) antibody at 1:200 dilution.