

F2 / Prothrombin / Thrombin Antibody
Sheep Polyclonal Antibody
Catalog # ALS15958**Specification**

F2 / Prothrombin / Thrombin Antibody - Product Information

Application	IHC
Primary Accession	P00734
Reactivity	Human, Mouse, Rat
Host	Sheep
Clonality	Polyclonal
Calculated MW	70kDa KDa

F2 / Prothrombin / Thrombin Antibody - Additional Information**Gene ID** 2147**Other Names**

Prothrombin, 3.4.21.5, Coagulation factor II, Activation peptide fragment 1, Activation peptide fragment 2, Thrombin light chain, Thrombin heavy chain, F2

Target/Specificity

Recognizes mouse Prothrombin. Species cross-reactivity: human, rat.

Reconstitution & Storage

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for at least 12 months.

Precautions

F2 / Prothrombin / Thrombin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

F2 / Prothrombin / Thrombin Antibody - Protein Information**Name** F2**Function**

Thrombin, which cleaves bonds after Arg and Lys, converts fibrinogen to fibrin and activates factors V, VII, VIII, XIII, and, in complex with thrombomodulin, protein C. Functions in blood homeostasis, inflammation and wound healing. Thrombin triggers the production of pro-inflammatory cytokines, such as MCP-1/CCL2 and IL8/CXCL8, in endothelial cells (PubMed:30568593, PubMed:9780208).

Cellular Location

Secreted, extracellular space.

Tissue Location

Expressed by the liver and secreted in plasma.

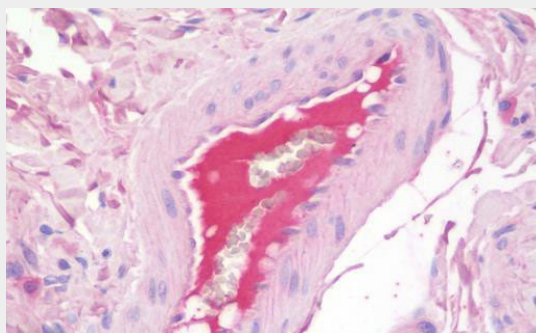
Volume

50 μ l

F2 / Prothrombin / Thrombin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

F2 / Prothrombin / Thrombin Antibody - Images

Anti-F2 / Prothrombin / Thrombin antibody IHC staining of human blood plasma.

F2 / Prothrombin / Thrombin Antibody - Background

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F2 / Prothrombin / Thrombin Antibody - References

- Degen S.J.F., et al. *Biochemistry* 26:6165-6177(1987).
Wang W., et al. *Haemophilia* 10:94-97(2004).
Ota T., et al. *Nat. Genet.* 36:40-45(2004).
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Degen S.J.F., et al. *Biochemistry* 22:2087-2097(1983).