

Product datasheet for **TA351802**

Prothrombin (F2) Rabbit Polyclonal Antibody

Product data:

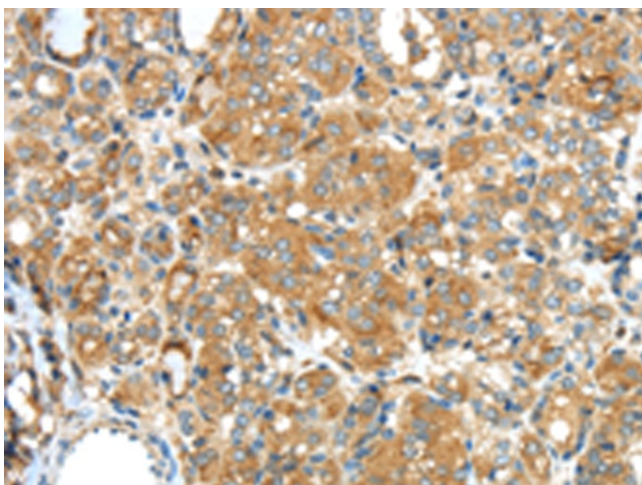
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	IHC: 25-100 Positive control: Human thyroid cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human F2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	coagulation factor II, thrombin
Database Link:	NP_000497 Entrez Gene 14061 Mouse Entrez Gene 29251 Rat Entrez Gene 2147 Human P00734
Background:	Coagulation factor II is proteolytically cleaved to form thrombin in the first step of the coagulation cascade which ultimately results in the stemming of blood loss. F2 also plays a role in maintaining vascular integrity during development and postnatal life. Finally, peptides derived from the C-terminus of this protein have antimicrobial activity against E. coli and P. aeruginosa. Mutations in F2 leads to various forms of thrombosis and dysprothrombinemia.
Synonyms:	PT; RPRGL2; THPH1
Protein Families:	Druggable Genome, Protease, Secreted Protein



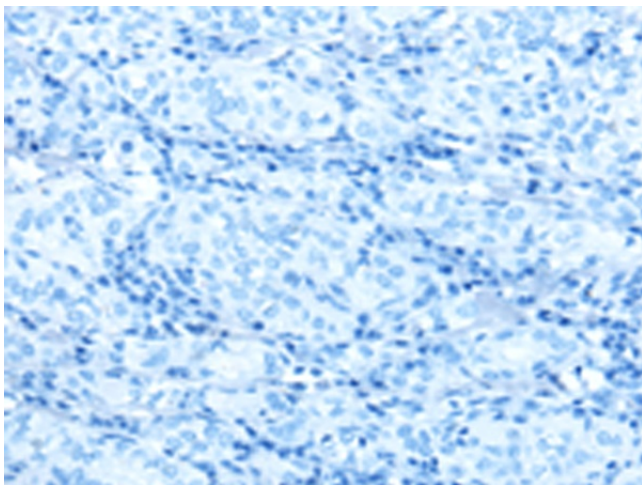
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Protein Pathways: Complement and coagulation cascades, Neuroactive ligand-receptor interaction, Regulation of actin cytoskeleton

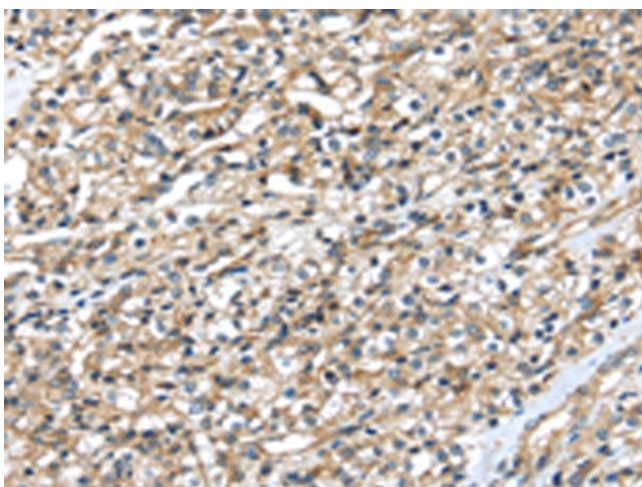
Product images:



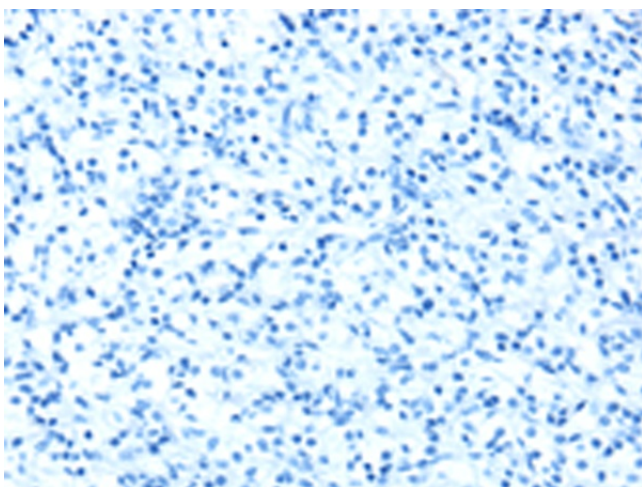
Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351802 (F2 Antibody) at dilution 1/35 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using TA351802 (F2 Antibody) at dilution 1/35, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA351802 (F2 Antibody) at dilution 1/35 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TA351802 (F2 Antibody) at dilution 1/35, treated with synthetic peptide. (Original magnification: $\times 200$)