

Recombinant

DGRmAb®

Prothrombin (DGR33407) Rabbit mAb

db13158

Package : 10µL 20µL 50µL 100µL

Product Name : Prothrombin (DGR33407) Rabbit mAb**Cat.No.:** db13158**Synonyms** : PT; THPH1; RPRGL2**Application** : WB**Reactivity** : Human**Host species** : Rabbit**Background**

This gene encodes the prothrombin protein (also known as coagulation factor II). This protein is proteolytically cleaved in multiple steps to form the activated serine protease thrombin. The activated thrombin enzyme plays an important role in thrombosis and hemostasis by converting fibrinogen to fibrin during blood clot formation, by stimulating platelet aggregation, and by activating additional coagulation factors. Thrombin also plays a role in cell proliferation, tissue repair, and angiogenesis as well as maintaining vascular integrity during development and postnatal life. Peptides derived from the C-terminus of this protein have antimicrobial activity against *E. coli* and *P. aeruginosa*. Mutations in this gene lead to various forms of thrombosis and dysprothrombinemia. Rapid increases in cytokine levels following coronavirus infections can dysregulate the coagulation cascade and produce thrombosis, compromised blood supply, and organ failure. [provided by RefSeq, May 2020]

Immunogen

A synthetic peptide of human Prothrombin

Gene ID

2147

Swiss Prot

P00734

Synonyms

PT; THPH1; RPRGL2

Reactivity

Human

Application

WB

Recommended dilution

WB: 1:1000-1:5000

Calculated MW

70 kDa

Observed MW

70 kDa

Host species

Rabbit

Clonality

Monoclonal

Clonality No.	DGR33407
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.