



Anti-PROC (aa 32-131) polyclonal antibody (DPAB-DC2505)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

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| Antigen Description | This gene encodes a vitamin K-dependent plasma glycoprotein. The encoded protein is cleaved to its activated form by the thrombin-thrombomodulin complex. This activated form contains a serine protease domain and functions in degradation of the activated forms of coagulation factors V and VIII. Mutations in this gene have been associated with thrombophilia due to protein C deficiency, neonatal purpura fulminans, and recurrent venous thrombosis.[provided by RefSeq, Dec 2009] |
| Immunogen | PROC (AAH34377, 32 a.a. ~ 131 a.a) partial recombinant protein with GST tag. The sequence is RAHQVLRIRKRANSFLEELRHSSLERECIEEICDFEEAKEIFQNVDDTLAFWSKHVDGDQ CLVLPLEHPCASLCCGHGTCIDGIGSFSCDCRSWGWRFC |
| Source/Host | Mouse |
| Species Reactivity | Human |
| Conjugate | Unconjugated |
| Applications | WB (Recombinant protein), ELISA, |
| Size | 50 µl |
| Buffer | 50 % glycerol |
| Preservative | None |
| Storage | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

GENE INFORMATION

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| Gene Name | PROC protein C (inactivator of coagulation factors Va and VIIIa) [Homo sapiens (human)] |
| Official Symbol | PROC |
| Synonyms | PROC; protein C (inactivator of coagulation factors Va and VIIIa); PC; APC; PROC1; THPH3; THPH4; vitamin K-dependent protein C; prepro-protein C; autoprote thrombin IIA; anticoagulant protein C; blood coagulation factor XIV; |
| Entrez Gene ID | 5624 |
| Protein Refseq | NP_000303 |
| UniProt ID | P04070 |
| Chromosome Location | 2q13-q14 |
| Pathway | Cell surface interactions at the vascular wall; Complement and Coagulation Cascades; Formation of Fibrin Clot (Clotting Cascade); Gamma-carboxylation, transport, and amino-terminal cleavage of proteins. |
| Function | calcium ion binding; protein binding; serine-type endopeptidase activity; |