



Anti-PROS1 (aa 419-516) polyclonal antibody (DPAB-DC2508)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. It is found in plasma in both a free, functionally active form and also in an inactive form complexed with C4b-binding protein. Mutations in this gene result in autosomal dominant hereditary thrombophilia. An inactive pseudogene of this locus is located at an adjacent region on chromosome 3.
Immunogen	PROS1 (NP_000304, 419 a.a. ~ 516 a.a) partial recombinant protein with GST tag. The sequence is GLLETKVYFAGFPRKVESELIKPINPRLDGCIRSWNLMKQGASGIKEIIQEKQNKHCLVT VEKGSYYPGSGIAQFHDYNNVSSAEGWHVNVTLNIRP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), 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

Gene Name	PROS1 protein S (alpha) [Homo sapiens (human)]
Official Symbol	PROS1
Synonyms	PROS1; protein S (alpha); PSA; PROS; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6; vitamin K-dependent protein S; protein Sa; vitamin K-dependent plasma protein S;
Entrez Gene ID	5627
Protein Refseq	NP_000304
UniProt ID	P07225
Chromosome Location	3q11.2
Pathway	Cell surface interactions at the vascular wall; Complement and Coagulation Cascades; Complement and coagulation cascades; Formation of Fibrin Clot (Clotting Cascade)
Function	calcium ion binding; endopeptidase inhibitor activity;