

Datasheet for ABIN1421026

anti-PROS1 antibody (AA 245-295) (HRP)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PROS1 (PROS)
Binding Specificity:	AA 245-295
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PROS1 antibody is conjugated to HRP
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Protein S/PROS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	PROS1 (PROS)
Alternative Name:	Protein S (PROS Products)
Background:	Synonyms: Preproprotein S, Propiece of latent protein S, PROS 1, PROS, PROS_HUMAN, PROS1, Protein S alpha, Protein Sa, PS 21, PS 22, PS 23, PS 24, PS 25, PS 26, PS21, PS22, PS23, PS24,

Target Details

PS25, PS26, PSA, Vitamin K dependent protein S, Vitamin K-dependent protein S.

Background: Protein S (PROS) is a vitamin K-dependent plasma protein that inhibits blood clotting by serving as a cofactor for activated protein C (APC) and facilitates clearance of early apoptotic cells. In the plasma, circulating Protein S becomes inactive upon complexing with C4b-binding protein (C4BP), 60-70 % of Protein S circulates in complex with C4BP. Calcium-dependent association of C4BP-Protein S with apoptotic cells influences the regulation of complement activation. Protein S has APC-independent anticoagulant activity through direct inhibition of prothrombin activation via interactions with Factor X A, Factor V A and phospholipids. Autosomal dominant Protein S deficiency (levels 15 to 37 % of normal) correlates with severe recurrent venous thrombosis.

Gene ID: 5627

UniProt: [P07225](#)

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months