

Rabbit anti-Human Protein S/PROS1 Polyclonal Antibody | anti-PROS1 antibody

Anti-Protein S/PROS1 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255038	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Immunohistochemistry

PRODUCT SYNONYMS

Protein S/PROS1; Polyclonal Antibody; Anti-Protein S/PROS1 Antibody; Rabbit Polyclonal; Protein S/PROS1 Antibody; Rabbit PAb; Antigen Affinity Purified; protein S (alpha); Anti-PROS Antibody; Anti-Protein S Antibody; Anti-PS21 Antibody; Anti-PS22 Antibody; Anti-PS23 Antibody; Anti-PS24 Antibody; Anti-PS25 Antibody; Anti-PSA Antibody; Anti-THPH5 Antibody; Anti-THPH6 Antibody; anti-PROS1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Protein S/PROS1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PROS1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the N-terminus of the Human Protein S/PROS1
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the N-terminus of the Human Protein S/PROS1, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of Protein S in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human Protein S polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green) and counterstained with DAPI (blue). Positive staining was localized to Cytoplasm.



IHC (Immunohistochemistry)

Immunochemical staining of human Protein S in human liver with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human Protein S in human kidney with rabbit polyclonal antibody at 1:200 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PROS1 antibody	PROS1, also known as protein S, is a vitamin K-dependent plasma protein that functions as a cofactor for the anticoagulant protease, activated protein C (APC) to inhibit blood coagulation. PROS1 has two isoforms: a free, functionally active form and an inactive form complexed with C4b-binding protein. Besides its anticoagulant function, PROS1 also acts as an agonist for the tyrosine kinase receptors Tyro3, Axl, and Mer. The endothelium expresses Tyro3, Axl, and Mer and produces protein S. The interaction of protein S with endothelial cells and particularly its effects on angiogenesis have not yet been analyzed.
Product Categories/Family for anti-PROS1 antibody	Serine Proteases and Regulators
References	Beauchamp NJ. et al., 2004, Br J Haematol. 125 (5): 647-54. Garcia de Frutos P. et al., 2007, Thromb Haemost. 98 (3): 543-56. Rezende SM. et al., 2004, Blood. 103 (4): 1192-201.

NCBI AND UNIPROT INFORMATION

NCBI GI #	131086
NCBI GeneID	5627
UniProt Accession #	P07225 ; Q15518 ; Q7Z715 ; Q9UCZ8 ; A8KAC9 ; D3DN28
Molecular Weight	676
NCBI Official Full Name	Vitamin K-dependent protein S
NCBI Official Synonym Full Names	protein S (alpha)
NCBI Official Symbol	PROS1
NCBI Official Synonym Symbols	PSA; PROS; PS21; PS22; PS23; PS24; PS25; THPH5; THPH6
NCBI Protein Information	vitamin K-dependent protein S; protein Sa; vitamin K-dependent plasma protein S
UniProt Protein Name	Vitamin K-dependent protein S
UniProt Gene Name	PROS1
UniProt Synonym Gene Names	PROS
UniProt Entry Name	PROS_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/protein-s-pros1-antibody-immunofluorescence-immunocytochemistry-immunohistochemistry-elisa/255038>