

Rabbit PROS1 Polyclonal Antibody | anti-PROS1 antibody

PROS1 Antibody

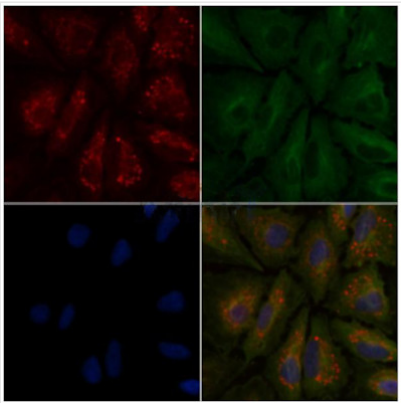
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31124	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry

PRODUCT SYNONYMS

PROS1; Polyclonal Antibody; PROS1 Antibody; 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; PS25; PS26; PSA; THPH5; THPH6; Vitamin K dependent protein S; Vitamin K-dependent plasma protein S; Vitamin K-dependent protein S; anti-PROS1 antibody

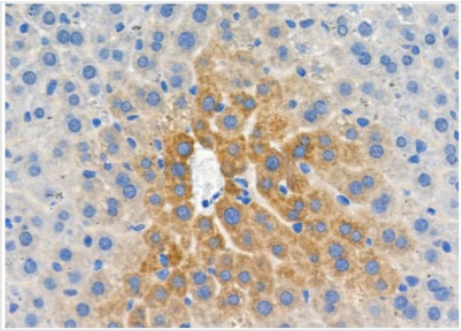
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).
Form/Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	676
Applicable Applications for anti-PROS1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC: 1:100-1:500 The optimal dilutions should be determined by the end user. IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human PROS1, corresponding to a region within N-terminal amino acids
Preparation and Storage	Store at -20 °C. Stable for 12 months from date of receipt.



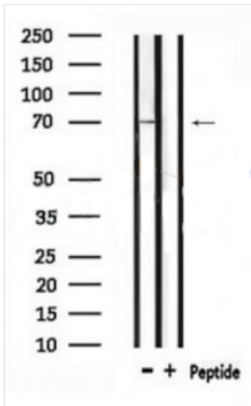
IF (Immunofluorescence)

AAA31124 staining A549 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31124) and mouse anti-beta tubulin Ab for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI (blue).



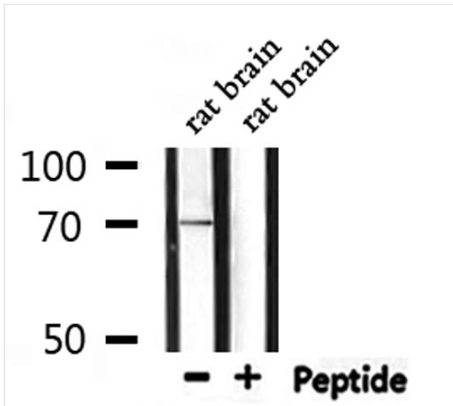
IHC (Immunohistochemistry)

AAA31124 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



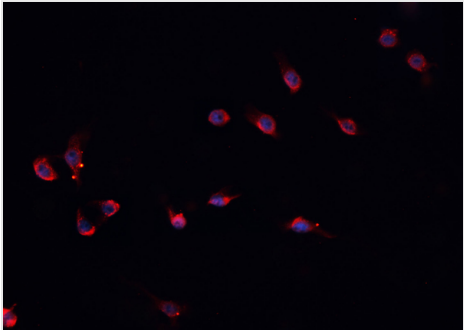
WB (Western Blot)

Western blot analysis of extracts from rat brain, using PROS1 Ab.



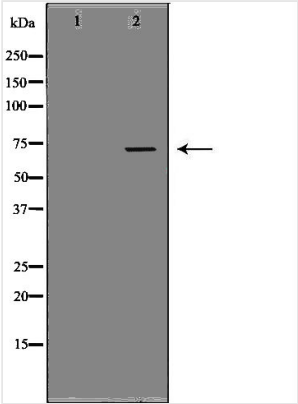
WB (Western Blot)

Western blot analysis of extracts from rat brain, using PROS1 Antibody.



IF (Immunofluorescence)

AAA31124 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)

Western blot analysis of extracts of human placenta tissue, using PROS1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PROS1 antibody	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. [provided by RefSeq, Feb 2009]
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NCBI AND UNIPROT INFORMATION

NCBI GI #	192447438
NCBI GeneID	5627
NCBI Accession #	NP_000304.2
NCBI GenBank Nucleotide #	NM_000313.3
UniProt Accession #	P07225; Q15518; Q7Z715; Q9UCZ8; A8KAC9; D3DN28
Molecular Weight	70kDa
NCBI Official Full Name	vitamin K-dependent protein S isoform 2 preproprotein
NCBI Official Synonym Full Names	protein S
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
UniProt Protein Name	Vitamin K-dependent protein S
UniProt Gene Name	PROS1
UniProt Synonym Gene Names	PROS

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/pros1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/31124>