

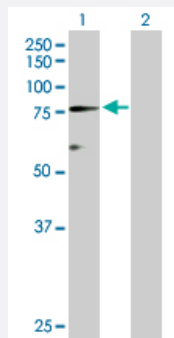
MaxPab®

PROS1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005627-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PROS1 expression in transfected 293T cell line ([H00005627-T02](#)) by PROS1 MaxPab polyclonal antibody.

Lane 1: PROS1 transfected lysate (75.10 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PROS1 protein.

Immunogen

PROS1 (AAH15801.1, 1 a.a. ~ 676 a.a) full-length human protein.

Sequence

MRVLGGRCGALLACLLLVLPVSEANFLSKQQASQVLVRKRRANSLLEETKQGNLERECIEELCNK
EEAREVFENDPETDYFYPKYLVCLRSFQTGLFTAARQSTNAYPDLRSCVNAIPDQCSPLPCNEDG
YMSCKDGKASFTCTCKPGWQGEKCEFDINECKDPSNINGGCSQICDNTPGSYHCCKNGFVML
SNKKDCKDVDECSLKPSICGTAVCKNIPGDFECECPEGYRYNLKSKSCEDIDECSNMCAQLCV
NYPGGYTCYCDGKKGFKLAQDQKSCEVVSVCPLNLDTKYELLYLAEQFAGVVLYLKFRLEISR
FSAEFDRTYDSEGVLIAESIDHSAWLLIALRGGKIEVQLKNEHTSKITTGGDVINNGLWNMVSVE
ELEHSISIKIAKEAVMDINKPGPLFKPENGLLETKVYFAGFPRKVESELIKPINRLDGCIRSWNLK
QGASGIKEIQEKQNKHCLVTVEKGSYYPGSGIAQFHIDYNNVSSAEGWHVNVTLNIRPSTGTGVML
ALVSGNNTVPFAVSLVDSTSEKSDILLSVENTVMYRIQALSLCSDQQSHLEFRVNRNNLELSTPLK
IETISHEDLQRQLAVLDKAMKAKVATYLGGLPDVPFSATPVNAFYNGCMEVNINGVQLDLDEAISK
HNDIRAHSCPSVWKKTKNS

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — PROS1

Entrez GeneID

[5627](#)

GeneBank Accession#

[BC015801.1](#)

Protein Accession#

[AAH15801.1](#)

Gene Name

PROS1

Gene Alias

PROS, PS21, PS22, PS23, PS24, PS25, PSA

Gene Description

protein S (alpha)

Omim ID

[176880](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a vitamin K-dependent plasma protein that functions as a cofactor for the anti coagulant 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]

Other Designations

protein S, alpha|protein Sa

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Chorioamnionitis](#)
- [Coronary Disease](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Obstetric Labor](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Protein S Deficiency](#)
- [Stroke](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Venous Thrombosis](#)