

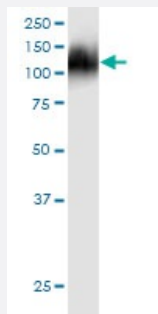
MaxPab®

PROM1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00008842-B01P

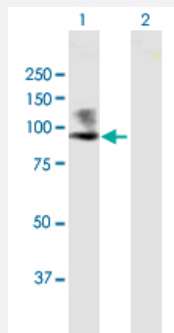
Size 50 ug

Applications



Western Blot (Cell lysate)

PROM1 MaxPab polyclonal antibody. Western Blot analysis of PROM1 expression in SW-620.



Western Blot (Transfected lysate)

Western Blot analysis of PROM1 expression in transfected 293T cell line ([H00008842-T01](#)) by PROM1 MaxPab polyclonal antibody.

Lane 1: PROM1 transfected lysate(96.30 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PROM1 protein.

Immunogen

PROM1 (AAH12089.1, 1 a.a. ~ 856 a.a) full-length human protein.

Sequence

MALVLGSLLLLGLCGNSFSGGQPSSTDAPKAWNYELPATNYETQDSHKAGPIGILFELVHIFLYVV
QPRDFPEDTLRKFLQKAYESKIDYDKMYYEAGIILCCVLGLLFILMPLVGYFFCMCRCCNKCGGEM
HQRQKENGPFRLKCF AISLLVICIIISIGIFYGFVANHQVRTRIKRSRKLADSNFKDLRTLLNETPEQIKY
ILAQYNTTKDKAFTDLNSINSVLGGGILDRLRPNIIPVLDEIKSMATAIKETKEALENMNSTLKSLHQQ
STQLSSSLTSVKTSLRSSLNDPLCLVHPSSETCNSIRLSLSQLNSNPELRQLPPVDAELDNVNNVL
RTDL DGLVQQGYQSLNDIPDRVQRQT TVVAGIKRVLNSIGSDIDNVTQRLPIQDILSAFSVYVNTE
SYIHRNLP TLEEYDSYWWLGGVLICSLLTLMIFYLGLLCGVCGYDRHATPTTRGCVSNTGGVFLMV
GVGLSFLFCWILMIVLTFVFGANVEKLICEPYTSKELFRVLDTPYLLNEDWEYLSGKLFNKSKM
KLTFEQVYSDCKKNRGTYGTLHLQNSFNISEHLNINEHTGSISSELES LKVNLFLLGAAGRKNLQD
FAACGIDRMNYDSYLAQTGKSPAGVNLLSFAYDLEAKANS LPPGNLRNSLKRDAQTIKTIHQQRVL
PIEQLSLTLYQSVKILQRTGNGLLERVTRILASL DFAQNFITNNTSSVIIIEETKKYGRTIIGYFEHYLQWI
EFSISEKVASCKPVATALD TAVDVFLCSYIIDPLNLFWFVGIGKATVFLLPALIFAVKLAKYYRRMDSE
DVYDDVETIPMKNMENGNGYHKDHVYGIHNPVMTSPSQH

Host

Mouse

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

In 1x PBS, pH 7.2

Storage Instruction

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

Applications

- Western Blot (Cell lysate)

PROM1 MaxPab polyclonal antibody. Western Blot analysis of PROM1 expression in SW-620.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PROM1 expression in transfected 293T cell line ([H00008842-T01](#)) by PROM1 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — PROM1

Entrez GeneID

[8842](#)

GeneBank Accession#

[BC012089.1](#)

Protein Accession#	AAH12089.1
Gene Name	PROM1
Gene Alias	AC133, CD133, MSTP061, PROML1, RP41
Gene Description	prominin 1
Omim ID	604365
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	hProminin hematopoietic stem cell antigen prominin-like 1

Publication Reference

- [Herbal Compound "Songyou Yin" Renders Hepatocellular Carcinoma Sensitive to Oxaliplatin through Inhibition of Stemness.](#)

Jia QA, Ren ZG, Bu Y, Wang ZM, Zhang QB, Liang L, Jiang XM, Zhang QB, Tang ZY.

Evidence-Based Complementary and Alternative Medicine 2012 Dec; 2012:908601.

Application: Flow Cyt, Human, HCCLM3, MHCC97H, HepG2, SMMC7721, Hep3B, Huh7

Disease

- [Carcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Neoplasms](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)