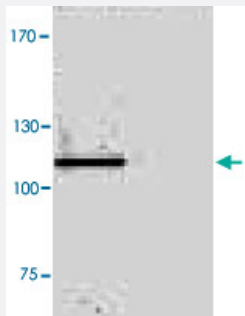


PROM1 polyclonal antibody

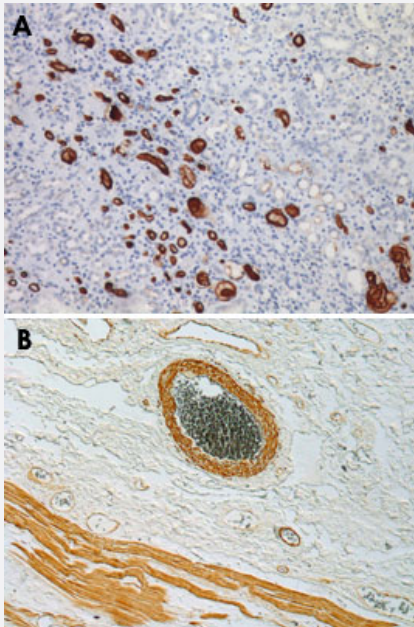
Catalog # PAB12663 Size 100 ug

Applications



Western Blot (Tissue lysate)

The tissue lysate derived from mouse kidney was immunoprobed by PROM1 polyclonal antibody (Cat # PAB12663) at 1 : 500. An immunoreactive band is observed around ~ 117kDa. This band is abolished by pre-incubation with immunizing peptide.



Immunohistochemistry

Immunohistochemical staining of human kidney (A) and human colon (B) tissue sections with PROM1 polyclonal antibody (Cat # PAB12663).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PROM1.
Immunogen	A synthetic peptide corresponding to 18 amino acids at C-terminus of human PROM1.
Host	Rabbit

Theoretical MW (kDa)	97
Reactivity	Human, Mouse, Rat
Specificity	This antibody recognizes ~97 KDa of mouse or rat PROM1 from mouse embryonic stem cells lysates by Western blot.
Form	Liquid
Purification	Epitope Affinity Purification
Isotype	IgG
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) Immunohistochemistry (2-5 ug/mL) Flow cytometry (10-20 ug per 10 ⁶ cells) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at -20 to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

The tissue lysate derived from mouse kidney was immunoprobed by PROM1 polyclonal antibody (Cat # PAB12663) at 1 : 500. An immunoreactive band is observed around ~ 117kDa. This band is abolished by pre-incubation with immunizing peptide.

- Immunohistochemistry

Immunohistochemical staining of human kidney (A) and human colon (B) tissue sections with PROM1 polyclonal antibody (Cat # PAB12663).

- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Gene Info — PROM1

Entrez GeneID

[8842](#)

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

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Application: WB, Mouse, Liver tissue

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Application: IHC-P, Human, Human endometrium

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Application: WB, Human, Human pentapartite oral fluid

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Application: WB, Human, SUN-475 cells
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Application: IF, Sheep, Dermal papilla cells
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Application: WB-Ce, Human, CSC2, HT-2, HT-29 cells
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Application: IHC, Human, Human tongue squamous cell carcinoma
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Application: WB, Mouse, Mouse basal-derived organoids

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Application: IHC, Human, Esophageal squamous cell carcinoma

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Application: WB-Tr, Human, MCF-7 cells

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Application: IF, WB-Tr, Human, HEK 293T cells

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Application: IHC-P, WB, Mouse, A-431, SK-Mel-28 cells, Human skin tumor, Mouse skin

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Application: WB-Tr, Human, HeLa cells

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Application: IF, Human, Endothelial progenitor cells

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Application: IF, Human, Human glioma stem cells

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Application: IF, IHC-P, Human, Human renal angiomyolipomas, proximal tubule epithelial cells

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Application: IHC-P, Rat, Rat retinal tissue sections

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Application: Flow Cyt, Human, Human endothelial progenitor cells

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Application: IHC-P, Human, Human glioblastoma

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Application: IF, Flow Cyt, Human, Glioma, neural glioma stem cell, U87

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Application: Flow Cyt, IF, Dog, MDCK cells

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Application: IHC-P, Human, Breast cancer

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Application: IF, Human, Lung cancer stem cells

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Application: IHC, Mouse, Dorsal skinfold chamber

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Application: IF, IHC-P, Human, Cholangiocarcinoma, CCA cells

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Application: IHC-P, Rat, Breast cancer

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Application: IHC-P, Human, Pancreatic adenocarcinoma

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Application: WB-Ti, Mouse, Liver

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Application: IF, IHC, EM, Human, Human hepatoblastoma cells (HuH-6 clone 5)

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Application: IHC, Mouse, Tumor stem cell
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Application: Flow Cyt, IS, Human, LoVo cells
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Application: IHC, WB-Ti, Human, Lung cancer
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Application: Flow Cyt, WB-Ce, Human, Mouse, 4T1, Caco-2, NIH-3T3, ONC49M2, U87 cells
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Application: IHC, Human, Mouse, Kidney, Skin
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Application: IHC, Rat, Rat colon
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Application: Flow Cyt, Rat, Endothelial progenitor cells

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Application: IHC-P, Mouse, Liver, Stomach, Adipose tissue, Uterus, Spleen, Subcutaneous, Heart, Intestine, Intestine, Pancreas, Skin

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Application: WB-Ti, Rat, Rat livers

Disease

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