

Rabbit PROM1 Polyclonal Antibody | anti-PROM1 antibody

PROM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40625	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

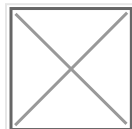
PRODUCT SYNONYMS

PROM1; Polyclonal Antibody; PROM1 Antibody; RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061; Prominin-1; Antigen AC133; Prominin 1; anti-PROM1 antibody

PRODUCT SPECIFICATIONS

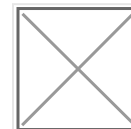
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PROM1 antibody is human, mouse and rat reactive. Multiple isoforms of PROM1 are known to exist.
Purity/Purification	PROM1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	865
Applicable Applications for anti-PROM1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PROM1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human PROM1. The immunogen is located within the last 50 amino acids of PROM1.
Buffer	PROM1 Antibody is supplied in PBS containing 0.02% sodium azide.
Positive Control	Jurkat Cell Lysate
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)

Immunofluorescence of PROM1 in Jurkat cells with PROM1 antibody at 20 μg/mL.



ICC (Immunocytochemistry)

Immunocytochemistry of PROM1 in Jurkat cells with PROM1 antibody at 2.5 μg/mL.



WB (Western Blot)

Western blot analysis of PROM1 in Jurkat cell lysate with PROM1 antibody at 1 & #956;g/ml in (A) the absence and (B) the presence of blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PROM1 antibody	PROM1 is a pentaspan transmembrane glycoprotein that 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 (1). Mutations in this gene have been shown to result in retinitis pigmentosa (2). Expression of this gene is also associated with several types of cancer (3).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174387
NCBI GeneID	8842
NCBI Accession #	NP_006008
NCBI GenBank Nucleotide #	NM_006017.2
UniProt Accession #	O43490; Q6SV49; Q6SV50; Q6SV51; Q6SV52; Q6SV53; Q96EN6
Molecular Weight	Predicted: 95 kDa Observed: 97 kDa
NCBI Official Full Name	prominin-1 isoform 1
NCBI Official Synonym Full Names	prominin 1
NCBI Official Symbol	PROM1
NCBI Official Synonym Symbols	RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061
NCBI Protein Information	prominin-1; hProminin; antigen AC133; prominin-like protein 1; hematopoietic stem cell antigen
UniProt Protein Name	Prominin-1
UniProt Gene Name	PROM1
UniProt Synonym Gene Names	PROML1
UniProt Entry Name	PROM1_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/prom1-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40625>