

Rabbit anti-Human, Rat PROM1 Polyclonal Antibody | anti-PROM1 antibody

(KD Validated) PROM1 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA22325	Rabbit	Human, Rat	Western Blot, Immunohistochemistry, Immunofluorescence, Immunoprecipitation

PRODUCT SYNONYMS

PROM1; Polyclonal Antibody; (KD Validated) PROM1 Polyclonal Antibody; AC133; CD133; CORD12; MCDR2; MSTP061; PROML1; RP41; STGD4; prominin-1; anti-PROM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300,50% glycerol,pH7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-PROM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), IP (Immunoprecipitation)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:100 IF: 1:50-1:200 IP: 50-1:200
Immunogen	Recombinant fusion protein of human PROM1
Research Area	Cancer, Neuroscience, Stem Cells
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



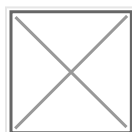
IF (Immunofluorescence)

Immunofluorescence analysis of HT-29 cells using PROM1 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



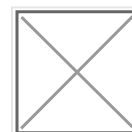
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using CD133 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat lung using CD133 Polyclonal Antibody at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using CD133 Polyclonal Antibody at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon carcinoma using CD133 Polyclonal Antibody at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts from wild type(WT) and PROM1 knockdown (KD) HCT116 cells using PROM1 Polyclonal Antibody at 1:400 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-PROM1 antibody	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.
Product Categories/Family for anti-PROM1 antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	13124442
NCBI GeneID	8842
UniProt Accession #	O43490 ; Q6SV49 ; Q6SV50 ; Q6SV51 ; Q6SV52 ; Q6SV53 ; Q96EN6
Molecular Weight	97kDa
NCBI Official Full Name	Prominin-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-western-blot-immunohistochemistry-immunofluorescence-immunoprecipitation-elisa/22325>