

Rabbit anti-Human. Prominin-1 Polyclonal Antibody | anti-PROM1 antibody

Anti-PROM1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA46051	Rabbit	Human.	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

Prominin-1; Polyclonal Antibody; Anti-PROM1 Antibody; AC133; Antigen AC133; CD133 antibody; CORD12; hematopoietic stem cell antigen; hProminin; MCDR2; MSTP061 antibody; PROM1; PROM 1; PROM-1; Prominin 1; Prominin1; Prominin-like protein 1; PROML1 antibody; RP41; STGD4; prominin 1; anti-PROM1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human.
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	856
Applicable Applications for anti-PROM1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	E.coli-derived human PROM1 recombinant protein (Position: P531-H865). Human PROM1 shares 61% amino acid (aa) sequence identity with mouse PROM1.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)

Anti-PROM1 Picoband antibody, AAA46051-3.JPGIHC(P): Human Tonsil Tissue



WB (Western Blot)

Anti-PROM1 Picoband antibody, AAA46051-2.jpgAll lanes: Anti PROM1 (AAA46051) at 0.5ug/mlWB: MCF-7 Whole Cell Lysate at 40ugPredicted bind size: 97KDObserved bind size: 130KD



Application Data

Anti-PROM1 Picoband antibody, AAA46051-1.jpgAll lanes: Anti PROM1 (AAA46051) at 0.5ug/mlWB: Recombinant Human PROM1 Protein 0.5ngPredicted bind size: 40KDObserved bind size: 40kD

ADDITIONAL INFORMATION

Related Product Information for anti-PROM1 antibody

Description: Rabbit IgG polyclonal antibody for Prominin-1(PROM1) detection. Tested with WB, IHC-P in Human.
Background: Prominin-1, also known as CD133, is a glycoprotein that in humans is encoded by the PROM1 gene. It is mapped to 4p15.32. Prominin-1 is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. 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. It has been proposed to act as an organizer of cell membrane topology. Prominin-1 was expressed not only on metastatic colon cancer cells, but also on differentiated colonic epithelium in both adult mice and humans.

NCBI AND UNIPROT INFORMATION

NCBI GI #	224994189
NCBI GeneID	8842
NCBI Accession #	NP_001139319.1
NCBI GenBank Nucleotide #	NM_001145847.1
UniProt Accession #	O43490; Q6SV49; Q6SV50; Q6SV51; Q6SV52; Q6SV53; Q96EN6
Molecular Weight	94,605 Da
NCBI Official Full Name	prominin-1 isoform 2
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/prominin-1-antibody-immunohistochemistry-western-blot-elisa/46051>