

Goat PROM1/CD133 Antibody | anti-PROM1 antibody

Goat Anti-PROM1/CD133 (aa310-322) Antibody

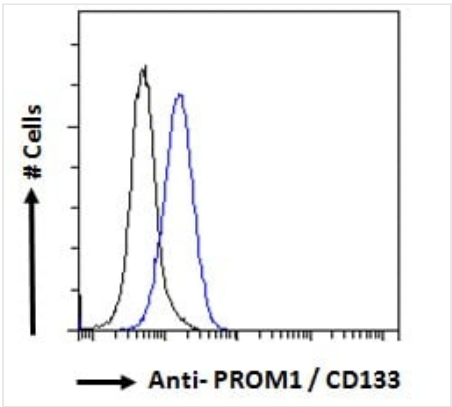
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA61843	Goat	HumanExpected from sequence similarity: Human	Flow Cytometry, Functional Assay, Immunofluorescence, ELISA

PRODUCT SYNONYMS

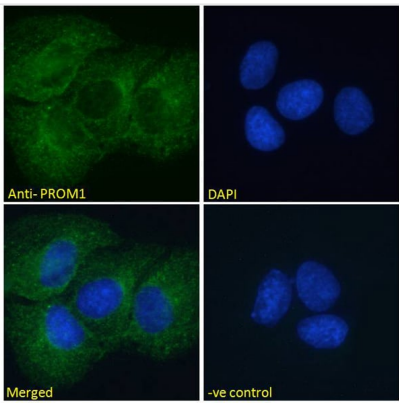
PROM1/CD133; Goat Anti-PROM1/CD133 (aa310-322) Antibody; PROM1; prominin 1; AC133; CD133; CORD12; MCDR2; PROML1; RP41; STGD4; OTTHUMP00000217744; OTTHUMP00000217745; OTTHUMP00000217746; antigen AC133; hProminin; hematopoietic stem cell antigen; prominin-1; prominin-like 1; prominin-like protein 1; anti-PROM1 antibody

PRODUCT SPECIFICATIONS

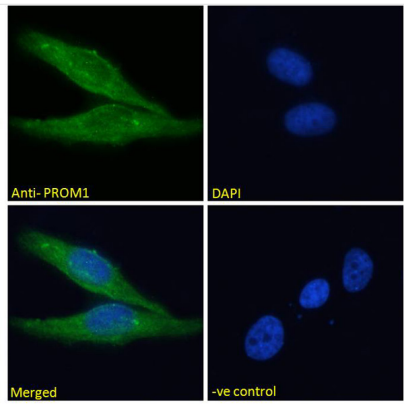
Host	Goat
Reactivity	Human Expected from sequence similarity: Human
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Sequence Length	865
Applicable Applications for anti-PROM1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ELISA (Peptide ELISA)
Immunogen	Peptide with sequence HPSSETCNSIRLS, from the internal region of the protein sequence according to NP_006008.1; NP_001139319.1; NP_001139324.1; NP_001139323.1; NP_001139322.1; NP_001139321.1.
Peptide Sequence	HPSSETCNSIRLS
Epitope	Internal region
Important comments	This antibody is expected to recognize all reported isoforms (NP_006008.1; NP_001139319.1; NP_001139324.1; NP_001139323.1; NP_001139322.1; NP_001139321.1). Reported variants represent identical protein: NP_001139320.1, NP_001139319.1
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of paraformaldehyde fixed HeLa cells (blue line), permeabilized with 0.5% Triton. Primary incubation overnight (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line)



IF (Immunofluorescence)
Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b



IF (Immunofluorescence)
Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic/membrane staining. The nuclear stain i

ADDITIONAL INFORMATION

References	Bourseau-Guilmain E, Griveau A, Benoit JP, Garcion E.: The importance of the stem cell marker prominin-1/CD133 in the uptake of transferrin and in iron metabolism in human colon cancer Caco-2 cells. PLoS One. 2011;6(9):e25515. PMID: 21966538
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174387
NCBI GeneID	8842
NCBI Accession #	NP_006008.1; NP_001139319.1; NP_001139324.1; NP_001139323.1; NP_001139322.1; NP_001139321.1
NCBI GenBank Nucleotide #	NP_006008.1
UniProt Accession #	O43490
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
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/goat-human-antibody/prom1-cd133/61843>