

Mouse anti-Human CD133 Monoclonal Antibody | anti-CD133 antibody

Anti-CD133 Antibody

CATALOG # AAA60763	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	----------------------	----------------------------	-------------------------------------

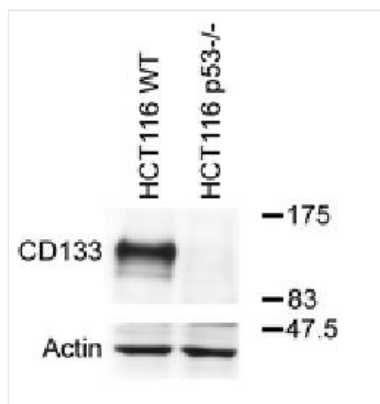
PRODUCT SYNONYMS

CD133; Monoclonal Antibody; Anti-CD133 Antibody; Anti-Human CD133(Prominin-1) Antibody; anti-CD133 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Purity/Purification	Affinity purified
Form/Format	Liquid
Concentration	100ug/100ul (varies by lot)
Sequence Length	841
Applicable Applications for anti-CD133 antibody	WB (Western Blot)
Storage Buffer	PBS, pH 7.4 with less than or equal to 0.09% sodium azide.
Preparation and Storage	This product is stable for several weeks at 4 degree C as an undiluted liquid. Dilute only prior to immediate use. For extended storage, aliquot contents and freeze at -20 degree C or below. Avoid cycles of freezing and thawing. Expiration date is one (1) year from date of receipt.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD133 antibody	The EMK08 monoclonal antibody reacts with human CD133 (Prominin-1), a 120 kDa member of the pentaspan family of proteins, which also includes Prominin-2. Their expression is found within plasma membrane protrusions such as epithelial microvilli. CD133 can exist in a number of alternatively spliced isoforms, and the protein has several N-linked glycosylation sites; the occurrence of both may be tissue-dependent. Human CD133 was first identified as an epitope expressed on CD34+ hematopoietic progenitors. Although the ligand and function of CD133 remain unknown, it has since proven to be very useful as a marker for both stem cells and cancer stem cells. In addition to its expression on hematopoietic precursors, CD133 has been used to identify tumorigenic colon cancer stem cells, brain cancer stem cells, prostate cancer stem cells, in addition to others.
References	Yin AH, Miraglia S, Zanjani ED, Almeida-Porada G, Ogawa M, Leary AG, Olweus J, Kearney J, Buck DW. AC133, a novel marker for human hematopoietic stem and progenitor cells. Blood. 1997 Dec 15;90(12):5002-12.O'Brien CA, Pollett A, Gallinger S, Dick JE. A human colon cancer cell capable of initiating tumour growth in immunodeficient mice. Nature. 2007 Jan 4;445(7123):106-10.Singh SK, Hawkins C, Clarke ID, Squire JA, Bayani J, Hide T, Henkelman RM, Cusimano MD, Dirks PB. Identification of human brain tumour initiating cells. Nature. 2004 Nov 18;432(7015):396-401. Identification of human brain tumour initiating cells. Nature. 2004 Nov 18;432(7015):396-401.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116734864
NCBI GeneID	714610
NCBI Accession #	NP_001070888.1
NCBI GenBank Nucleotide #	NM_001077420.1
NCBI Official Full Name	prominin-1
NCBI Official Symbol	PROM1
NCBI Protein Information	prominin-1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd133-antibody-western-blot-elisa/60763>