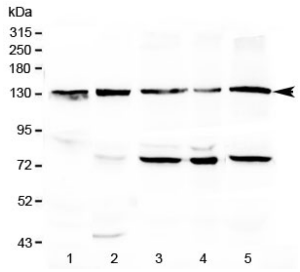
CD133 Antibody (C-Terminal Region) (R32909)

Catalog No.	Formulation	Size
R32909	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide
UniProt	O43490
Applications	Western Blot: 0.5-1ug/ml
Limitations	This CD133 antibody is available for research use only.



Western blot testing of 1) rat liver, 2) mouse liver, 3) human MCF7, 4) human COLO320 and 5) human HeLa lysate with CD133 antibody at 0.5ug/ml. Predicted molecular weight: ~97 kDa (unmodified), ~130 kDa (glycosylated).

Description

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.

Application Notes

Optimal dilution of the CD133 antibody should be determined by the researcher.

Immunogen

Amino acids 808-841 (ALIFAVKLAKYYRRMDSEDVYDDVETIPMKNMEN) were used as the immunogen for the CD133 antibody.

Storage

After reconstitution, the CD133 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.