

CD133 polyclonal antibody

Catalog: NCP0261P

Host: Rabbit

Reactivity: Human

BackGround:

CD133, also known as Prominin, was first described as a cell surface marker recognized by monoclonal antibody AC133 on putative hematopoietic stem cells. Subsequent cDNA cloning indicated that CD133 is a five-transmembrane protein with a predicted molecular weight of 97 kDa. Due to heavy glycosylation, its apparent molecular weight is 130 kDa as determined by SDS-PAGE analysis. Besides blood stem cells, CD133 is expressed on and used to isolate other stem cells, including cancer stem cells. A deletion mutation in CD133 produces aberrant protein localization and may result in retinal degeneration in humans.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.

Molecular Weight:

~ 110 kDa

Swiss-Prot:

O43490

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:1000~1:2000

IF: 1:100~1:500

Storage&Stability:

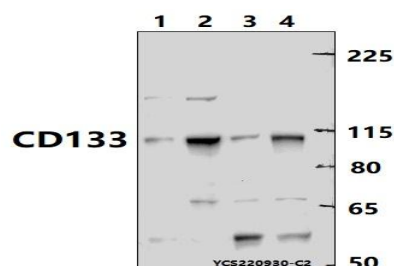
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

CD133 polyclonal antibody detects endogenous levels of

CD133 protein.

DATA:



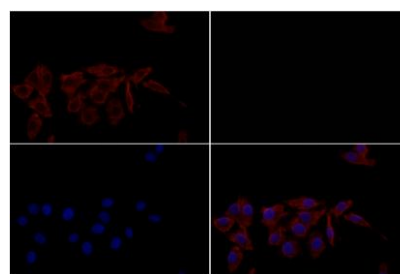
Western blot (WB) analysis of CD133 polyclonal antibody at 1:1000 dilution

Lane1:L02 whole cell lysate(30ug)

Lane2:HepG2 whole cell lysate(30ug)

Lane3:Panc1 whole cell lysate(30ug)

Lane4:H1792 whole cell lysate(30ug)



Immunofluorescence analysis of HepG2 cells using CD133 pAb at dilution of 1:200 (40 x lens).

Note:

For research use only, not for use in diagnostic procedure.

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