

CD133-1,2 Polyclonal antibody

Catalog Number: 19946-1-AP

Basic Information

Catalog Number:

19946-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_006017

GeneID (NCBI):

8842

UNIPROT ID:

O43490

Full Name:

prominin 1

Calculated MW:

97 kDa

Observed MW:

110-120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

IP, WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HT-29 cells, Caco-2 cells

IP : Y79 cells,

Background Information

CD133, also known as PROM1 (prominin-1) or AC133, belongs to the prominin family. CD133 is a transmembrane glycoprotein with an NH₂-terminal extracellular domain, five transmembrane loops and a cytoplasmic tail. The expression of CD133 has been reported in hematopoietic stem cells, endothelial progenitor cells, neuronal and glial stem cells, suggesting the potential role of CD133 as a cell surface marker of adult stem cells. CD133 has also been reported as a marker of cancer stem cells in various human tumors. This antibody recognizes transcript variant 1,2 of CD133.

Storage

Storage:

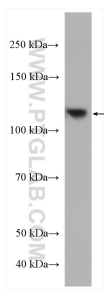
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

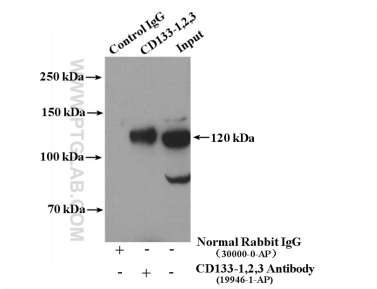
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



HT-29 cells were subjected to SDS PAGE followed by western blot with 19946-1-AP (CD133-1,2 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP result of anti-CD133-1,2 (IP:19946-1-AP, 4ug; Detection:19946-1-AP 1:300) with Y79 cells lysate 2000ug.