CD133-1,2,4,7 Polyclonal antibody
Catalog Number:19945-1-AP


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 $1,2,4,7$ (UNIPROT has updated the info of isoforms) of CD133.

Storage

Storage:
Store at $-20^{\circ} \mathrm{C}$. Stable for one year after shipment.
Storage Buffer:
PBS with $0.02 \%$ sodium azide and $50 \%$ glycerol pH 7.3 .
Aliquoting is unnecessary for $-20^{\circ} \mathrm{C}$ storage


Y79 cells were subjected to SDS PAGE followed by western blot with 19945-1-AP (PROM1-1,2,3,5,7 antibody) at dilution of 1:100 incubated at room temperature for 1.5 hours.


IP result of anti-CD133-1,2,4,7 (IP:19945-1-AP, 4 ug Detection:19945-1-AP 1:300) with Y79 cells lysate 2000ug.


Immunohistochemical analysis of paraffinembedded human gliomas tissue slide using 19945-1-AP (CD133-1, 2,4,7 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

