CD133 Rabbit mAb (AR1046)

Key Features

Host Species:	Rabbit
Reactivity:	Human
Applications:	WB,IHC,IF,IP,ELISA
Isotype:	IgG,Kappa
MW:	97kD (Calculated) 133kD (Observed)

Recommended Dilution Ratios

IHC:	1:20-100
WB:	1:1000-5000
IF:	1:200-1000
ELISA:	1:5000-20000
IP:	1:50-200

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	Endogenous

Target Information

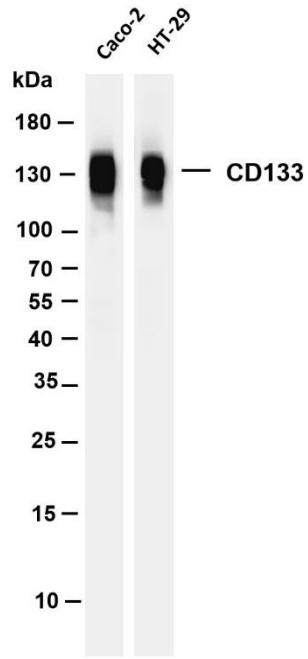
Gene name	PROM1
Protein Name	Prominin-1

Organism	Gene ID	UniProt ID
Human	8842	O43490
Mouse		O54990

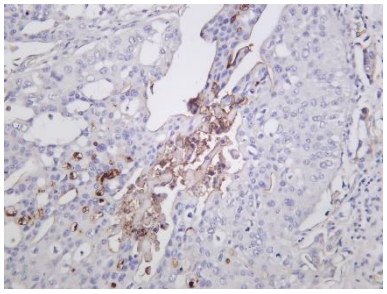
Cellular Localization	Membranous
Tissue specificity	Isoform 1 is selectively expressed on CD34 hematopoietic stem and progenitor cells in adult and fetal bone marrow, fetal liver, cord blood and adult peripheral blood. Isoform 1 is not detected on other blood cells. Isoform 1 is also expressed in a number of non-

lymphoid tissues including retina, pancreas, placenta, kidney, liver, lung, brain and heart. Found in saliva within small membrane particles. Isoform 2 is predominantly expressed in fetal liver, skeletal muscle, kidney, and heart as well as adult pancreas, kidney, liver, lung, and placenta. Isoform 2 is highly expressed in fetal liver, low in bone marrow, and barely detectable in peripheral blood. Isoform 2 is expressed on hematopoietic stem cells and in epidermal basal cells (at protein level). Expressed in adult retina by rod and cone photoreceptor cells (at protein level).

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-CD133 antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody.
Lane 1: Caco-2
Lane 2: HT-29
Predicted band size: 97kDa
Observed band size: 133kDa



Human bladder carcinoma was stained with Anti-CD133 rabbit antibody

For Research Use Only