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# CD133 Ab

References(8) Images(9)

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| Cat.#: AF5120 | Concn.: ~1mg/ml | Mol.Wt.: 97 kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |

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| Application: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:200<br>*The optimal dilutions should be determined by the end user. |
| Reactivity: | Human,Mouse,Rat |
| Storage: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |
| Immunogen: | A synthesized peptide derived from human CD133, corresponding to a region within N-terminal amino acids. |
| Uniprot: | O43490 |
| Description: | CD133, originally known as AC133. CD133 is a glycoprotein also known in humans and rodents as Prominin 1 (PROM1). Currently the function of CD133 is unknown. It is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. CD133 is expressed in hematopoietic stem cells |

Western blot analysis of extracts from various samples, using CD133 Ab.
Lane 1: Hepg2 cells(heat-shock treatment), blocked with antigen-specific peptides.
Lane 2: Hepg2 cells(heat-shock treatment).
Lane 3: Hela cells(heat-shock treatment).

AF5120 at 1/100 staining human testis by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking,

overnight.