

Product Datasheet

CD133 Rabbit pAb (orb129549)

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| Catalog Number | orb129549 |
| Category | Antibodies |
| Description | Rabbit polyclonal antibody to CD133, which is also known as prominin or AC133. CD133 is a marker frequently found on multipotent progenitor cells, including immature hematopoietic stem and progenitor cells. The protein has been extensively used as a stem cell marker for normal and cancerous tissues. |
| Clonality | Polyclonal |
| Species/Host | Rabbit |
| Isotype | IgG |
| Conjugation | Unconjugated |
| Reactivity | Human, Mouse, Rat |
| Concentration | 1 mg/ml |
| Buffer/Preservatives | PBS with 0.01% thimerosal, 50% glycerol, pH 7.3. |
| Purification | Affinity purification |
| Immunogen | A synthetic peptide corresponding to a sequence within amino acids 179-433 of human CD133 (NP_006008.1). |
| UniProt ID | O43490 |
| MW | 120kDa |
| Tested applications | ELISA, IF, WB |
| Dilution range | WB: 1:500-2000, IHC-P: 1:50-100 |

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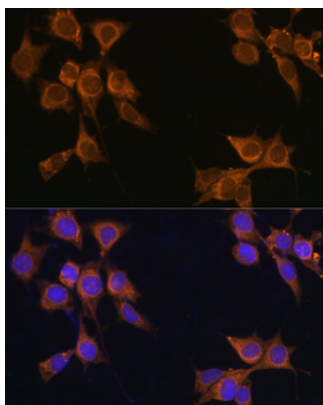
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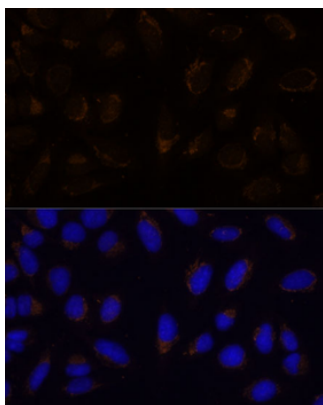
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|------------------------|---|
| Storage | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |



Immunofluorescence analysis of NIH/3T3 cells using CD133 Rabbit pAb (orb129549) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using CD133 Rabbit pAb (orb129549) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.

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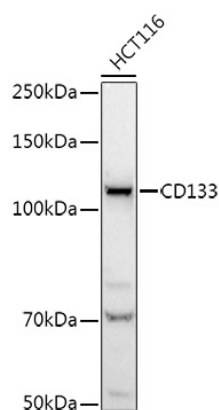
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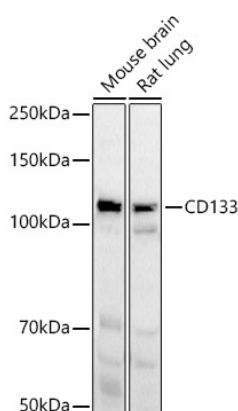
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Western blot analysis of lysates from HCT116 cells, using CD133 Rabbit pAb (orb129549) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



Western blot analysis of various lysates using CD133 Rabbit pAb (orb129549) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates / proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

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