

## Anti-CD133/PROM1 Antibody (9Y940)

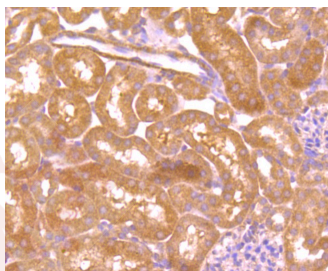
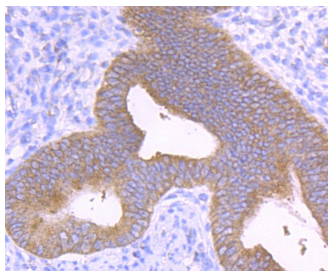
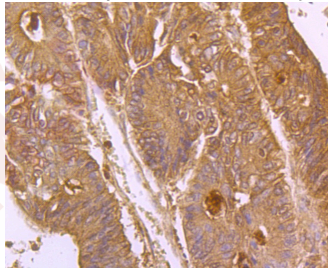
### Product Details

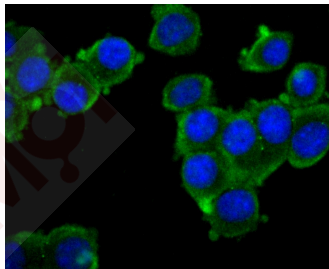
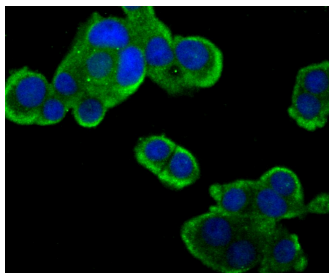
Reactivity:	Human,Mouse
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 97 kDa.
Clone:	9Y940
Purification:	Peptide affinity purified

### Applications

#### Verified Activity:

1. Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-CD133 antibody. Counter stained with hematoxylin.
2. Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-CD133 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-CD133 antibody. Counter stained with hematoxylin.
4. ICC staining CD133 (green) in LOVO cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining CD133 (green) in N2A cells. The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.





Application: ICC,IHC  
Recommended IHC: 1:50-200; ICC: 1:100-500

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#### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.  
Shipping: Shipping with blue ice.

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#### Antigen Details

Immunogen: Peptide  
Uniprot ID: O43490

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#### Research Background

CD133 antigen also known as prominin-1 is a glycoprotein that in humans is encoded by the PROM1 gene. It is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. While the precise function of CD133 remains unknown, it has been proposed to act as an organizer of cell membrane topology.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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