



## Rabbit anti CD133 Polyclonal Antibody

Alternative Name(s): Prominin 1, AC133, CD133

### Order Information

- **Description:** CD133
- **Catalogue:** 600-190
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, FC
- **Reactivity:** Hu, Ms, Rt

### **ANTIGEN PREPARATION**

A 18aa synthetic peptide corresponding to C-terminus human CD133.

### **BACKGROUND**

CD133, originally known as AC133, is a glycoprotein, also known in humans and rodents as Prominin 1 (PROM1). CD133 is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. CD133 is expressed in hemtopoietic stem cells, endothelial progenitor cells, glioblastoma, neuronal and glial stem cells, virous pediatric brain tumors as well as adult kidney, mammary glands, trachea salivary glands, placenta, digestive tract, testes, and some other cell types.

### **PURIFICATION**

The Rabbit IgG is purified by Epitope Affinity Purification

### **FORMULATION**

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

### **SPECIFICITY**

This antibody recognizes ~97 kDa of mouse or rat CD133 protein from mouse embryonic stem cells lyses by Western blot. This antibody reacts with human, rat and mouse. The other species are not tested.

### **STORAGE**

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

### **APPLICATIONS/SUGGESTED WORKING DILUTIONS\***

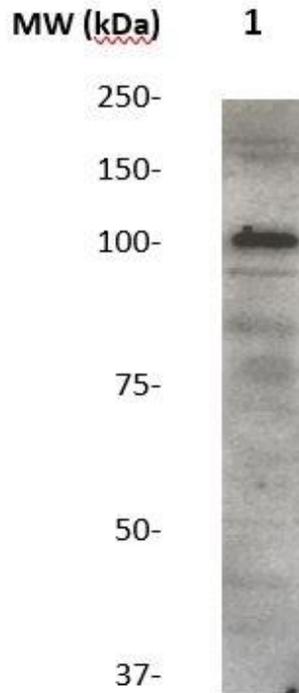
- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: 0.5-5 µg/106 cells
- Molecular Weight: 97.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

\*Optimal dilutions should be determined by researchers for the specific applications.

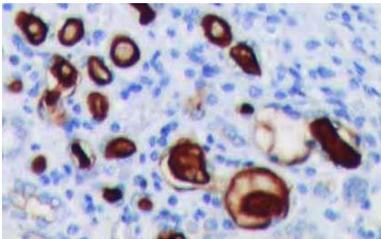
### **FOR RESEARCH USE ONLY.**

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**DATA ATTACHMENTS**



Western Blot: The tissue lysate derived from mouse kidney was immunoprobed by Rabbit anti-CD133 (Cat#600-190) at 1:500. An immunoreactive band is observed around ~117kDa. This band was depleted by pre-incubation with immunizing peptide.



Immunohistochemistry: Human kidney tissue stained with rabbit Anti-CD133 antibody (Cat# 600-190) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

**REFERENCES**

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