

## Anti-CD133 Polyclonal Antibody 2

### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse (predicted:Rat,Fruit Fly)
Molecular Weight:	Theoretical: 95 kDa. Actual: 115 kDa.
Purification:	Protein A purified

### Applications

Verified Activity:	<p>1. Blank control (blue line): Hep G2 (blue). Primary Antibody (green line): Rabbit Anti-CD133 antibody (TMAB-03838) Dilution: 1 µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1 µg /test. Protocol The cells were fixed with 70% ethanol Overnight at 4°C. Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.</p> <p>2. Sample: SP2/0 (mouse) cell Lysate at 40 µg Uterus (mouse) Lysate at 40 µg Lovo (human) cell Lysate at 40 µg Primary: Anti-CD133 (TMAB-03838) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 95 kD Observed band size: 115 kD</p>
Application:	WB,FCM
Recommended	WB: 1:500-2000; FCM: 1µg/Test

### Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD133  
Antigen Species: Human  
Gene ID: 8842  
Uniprot ID: O43490

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### Research Background

This gene encodes a pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]

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