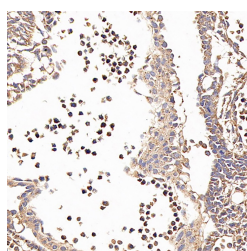


## CD133 Monoclonal Antibody

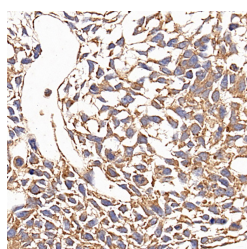
<b>Catalog No.</b>	E-AB-70172	<b>Reactivity</b>	R
<b>Storage</b>	Store at -20°C. Avoid freeze / thaw cycles.	<b>Host</b>	Mouse
<b>Applications</b>	IHC	<b>Isotype</b>	IgG

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Images



Immunohistochemistry analysis of paraffin-embedded fetal rat using CD133 Monoclonal Antibody at dilution of 1:200.



Immunohistochemistry analysis of paraffin-embedded fetal rat using CD133 Monoclonal Antibody at dilution of 1:200.

### Immunogen Information

<b>Immunogen</b>	KLH conjugated Synthetic peptide corresponding to Mouse CD133
<b>Swissprot</b>	O54990
<b>Synonyms</b>	Prominin mouse like 1,Prominin-1,Prominin-like protein 1,Prominin1,PROML1,RP41,STGD4

### Product Information

<b>Buffer</b>	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
<b>Purify</b>	Affinity purification
<b>Clone No.</b>	9G9D8
<b>Dilution</b>	IHC 1:200-1:800

### 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.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.