

**Product Name: CD133 (5M9) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe08203**

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## Summary

<b>Production Name</b>	CD133 (5M9) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	PROM1
<b>Alternative Names</b>	AC133; CD133; CORD12; hProminin; MCDR2; PROM1; Prominin like 1; Prominin1; PROML1; RP41; STGD4
<b>Gene ID</b>	8842.0
<b>SwissProt ID</b>	O43490.Recombinant protein of human CD133

## Application

<b>Dilution Ratio</b>	WB: 1:1000
<b>Molecular Weight</b>	97kDa

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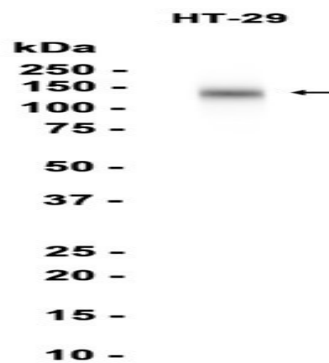


## Background

May play a role in cell differentiation, proliferation and apoptosis (PubMed:24556617). Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner. May play a role in cell differentiation, proliferation and apoptosis (PubMed:[24556617](http://www.uniprot.org/citations/24556617)). Binds cholesterol in cholesterol-containing plasma membrane microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner (PubMed:[20818439](http://www.uniprot.org/citations/20818439)).

## Research Area

## Image Data



Western blot analysis of extracts from HT-29 cells using RM6683 at 1:1000.

## Note

For research use only.