# antibodies - online.com







## anti-CD133 antibody (AA 508-792)



## **Images**



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Quantity:	50 μg
Target:	CD133 (PROM1)
Binding Specificity:	AA 508-792
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD133 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

#### **Product Details**

Immunogen:	Recombinant Human Prominin-1 protein (508-792AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CD133 (PROM1)	
Alternative Name:	PROM1 (PROM1 Products)	
Background:	Background: May play a role in cell differentiation, proliferation and apoptosis	
	(PubMed:24556617). Binds cholesterol in cholesterol-containing plasma membrane	

#### **Target Details**

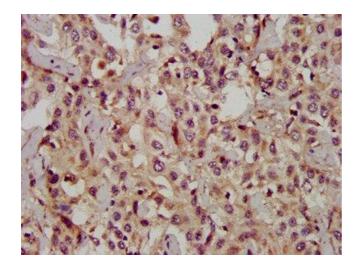
microdomains and may play a role in the organization of the apical plasma membrane in epithelial cells. During early retinal development acts as a key regulator of disk morphogenesis. Involved in regulation of MAPK and Akt signaling pathways. In neuroblastoma cells suppresses cell differentiation such as neurite outgrowth in a RET-dependent manner (PubMed:20818439). Aliases: AC133 antibody, Antigen AC133 antibody, CD133 antibody, CORD12 antibody, Hematopoietic stem cell antigen antibody, hProminin antibody, MCDR2 antibody, MSTP061 antibody, OTTHUMP00000217744 antibody, OTTHUMP00000217745 antibody, OTTHUMP00000217746 antibody, PROM1 antibody, PROM1\_HUMAN antibody, Prominin I antibody, Prominin like 1 antibody, Prominin like protein 1 precursor antibody, Prominin mouse like 1 antibody, Prominin-1 antibody, Prominin-like protein 1 antibody, Prominin1 antibody, PROML1 antibody, RP41 antibody, STGD4 antibody

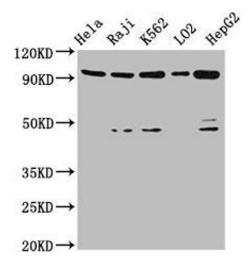
UniProt:

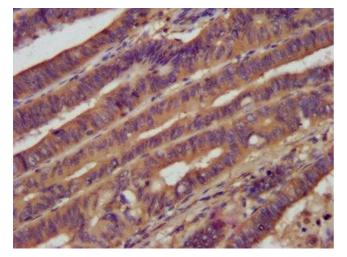
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### **Application Details**

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:1000-1:2000,	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4	
Preservative:	ProClin	
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C,-80 °C	
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	







#### **Immunohistochemistry**

**Image 1.** IHC image of diluted at 1:1200 and staining in paraffin-embedded human liver cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

#### **Western Blotting**

**Image 2.** Western Blot Positive WB detected in: Hela whole cell lysate, Raji whole cell lysate, K562 whole cell lysate, LO2 whole cell lysate, HepG2 whole cell lysate All lanes: PROM1 antibody at 4.8 μg/mL Secondary Goat polyclonal to rabbit lgG at 1/50000 dilution Predicted band size: 98, 97, 94, 93, 95 kDa Observed band size: 98 kDa

#### **Immunohistochemistry**

**Image 3.** IHC image of diluted at 1:1200 and staining in paraffin-embedded human colon cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.