

# Product Datasheet

## CD133 Antibody (PROM/6316)

### NBP3-07898

Unit Size: 100 ug

Store at 4C.

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**NBP3-07898**

CD133 Antibody (PROM/6316)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	PROM/6316
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	97 kDa

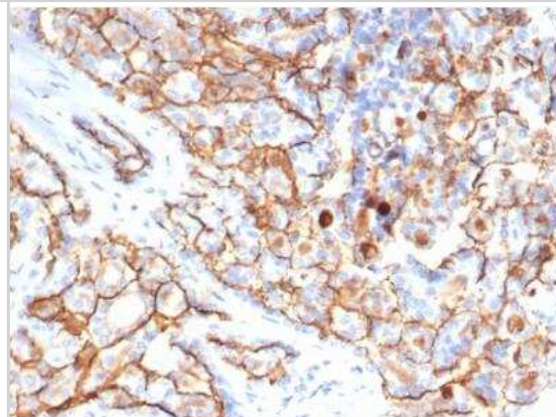
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP3-08969)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C.
Host	Mouse
Gene ID	8842
Gene Symbol	PROM1
Species	Human
Marker	Cancer Stem Cell Marker
Immunogen	Recombinant chimericCD133 protein (around aa180-380 and aa612-765). This Mab recognizes both glycosylated and non-glycosylated extracellular domains of CD133. (Uniprot: O43490)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, SDS-Page
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Paraffin 1-2 ug/ml, SDS-Page
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

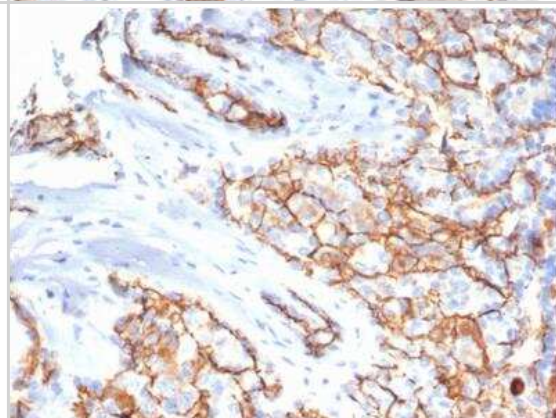


## Images

Immunohistochemistry-Paraffin: CD133 Antibody (PROM/6316) [NBP3-07898] - Formalin-fixed, paraffin-embedded human papillary renal cell carcinoma stained with CD133 / Prominin Mouse Monoclonal Antibody (PROM/6316).



Immunohistochemistry: CD133 Antibody (PROM/6316) [NBP3-07898] - Formalin-fixed, paraffin-embedded human papillary renal cell carcinoma stained with CD133 / Prominin Mouse Monoclonal Antibody (PROM/6316).



## Publications

Sadi S, Khalilzadeh B, Mahdipour M et al. Early stage evaluation of cancer stem cells using platinum nanoparticles/CD133+ enhanced nanobiocomposite Cancer Nanotechnology 2023-12-01



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### **Products Related to NBP3-07898**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-44250PEP	CD133 Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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