

CD133 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	18 amino acid peptide near the carboxy terminus of human PROM1
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.02% sodium azide
Storage conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C
RRID	AB_2554618

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	2.5 µg/mL	1 Publication
Flow Cytometry (Flow)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

A recommended positive control is Jurkat cell lysate.

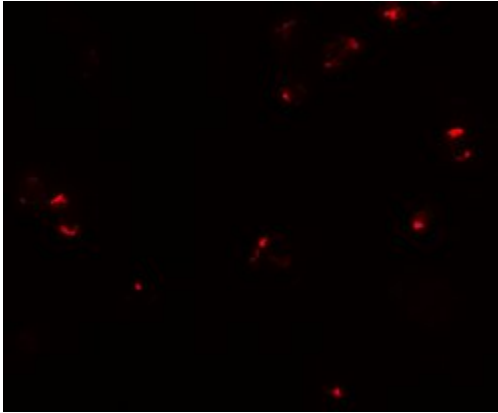
Multiple isoforms of PROM1 are known to exist.

Product Images For CD133 Polyclonal Antibody



CD133 Antibody (PA5-38014) in ICC/IF

Immunocytochemistry of PROM1 in Jurkat cells with CD133 Polyclonal Antibody (Product # PA5-38014) at 2.5 µg/mL.

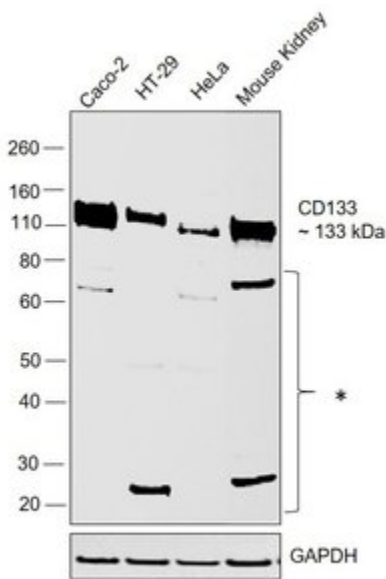


CD133 Antibody (PA5-38014) in ICC/IF

Immunofluorescence of PROM1 in Jurkat cells with CD133 Polyclonal Antibody (Product # PA5-38014) at 20 µg/mL.

CD133 Antibody (PA5-38014) in WB

Western Blot was performed using Anti-CD133 Polyclonal Antibody (Product # PA5-38014) and a 133 kDa band corresponding to Prominin-1 was observed across cell lines and tissue tested, with low expression in HeLa which is reported in the literature. Additional multiple uncharacterized bands (*) were observed across the panel. Membrane enriched extracts (30 µg lysate) of Caco-2 (Lane 1), HT-29 (Lane 2), HeLa (Lane 3), and Mouse Kidney (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23002) by iBlot® 2 Dry Blotting System (Product # IB21001). The Blot was probed with the primary antibody (1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



[View more figures on thermofisher.com](https://www.thermofisher.com)

4 References

Western Blot (1)

Journal of experimental & clinical cancer research : CR

LPS alters the immuno-phenotype of glioma and glioma stem-like cells and induces in vivo antitumor immunity via TLR4.

"PA5-38014 was used in Western Blotting to examine the ability of lipopolysaccharise to affect glioma and glioma stem-like cells in vitro and to induce antitumour immunity in vivo and the role of TLR4 in these processes."

Authors: Han S,Wang C,Qin X,Xia J,Wu A

Species
Human

Dilution
1:100

Year
2017

Immunocytochemistry (1)

Oncology letters

Alkaloids of faspaplysin are effective conventional chemotherapeutic drugs, inhibiting the proliferation of C6 glioma cells and causing their death *in vitro*.

"PA538014 was used in immunocytochemistry to compare the efficiency of faspaplysin with other drugs used to treat glial tumors"

Authors: Bryukhovetskiy I,Lyakhova I,Mischenko P,Milkina E,Zaitsev S,Khotimchenko Y,Bryukhovetskiy A, Polevshchikov A,Kudryavtsev I,Khotimchenko M,Zhidkov M

Species
Rat

Dilution
1:100

Year
2017

Flow Cytometry (1)

Nature communications

Blockade of IDO-kynurenine-AhR metabolic circuitry abrogates IFN--induced immunologic dormancy of tumor-repopulating cells.

"Published figure using CD133 polyclonal antibody (Product # PA5-38014) in Flow Cytometry"

Authors: Liu Y,Liang X,Yin X,Lv J,Tang K,Ma J, Ji T,Zhang H,Dong W,Jin X,Chen D,Li Y,Zhang S,Xie HQ,Zhao B,Zhao T,Lu J,Hu ZW,Cao X,Qin FX,Huang B

Species
Not Applicable

Dilution
Not Cited

Year
2017

Miscellaneous PubMed (1)

Oncology letters

miR-200b inhibits CD133⁺ glioma cells by targeting the AKT pathway.

"PA5-38014 was used in Magnetic cell separation to explore the fundamental role of miR-200b and CD133 in glioma stem cell behavior."

Authors: Liu A,Yu Q,Peng Z,Huang Y,Diao S,Cheng J,Wang W,Hong M

Species
Human

Dilution
Not Cited

Year
2017

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