



Rabbit anti CD133 Antibody

Alternate Names: AC133, Prominin 1

ANTIGEN PREPARATION

A 18aa synthetic peptide corresponding to C-terminus human CD133.

BACKGROUND

CD133, originally known as AC133, is a glycoprotein, also known in humans and rodents as Prominin 1 (PROM1). CD133 is a member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localize to cellular protrusions. CD133 is expressed in hemtopoietic stem cells, endothelial progenitor cells, glioblastoma, neuronal and glial stem cells, virous pediatric brain tumors as well as adult kidney, mammary glands, trachea salivary glands, placenta, digestive tract, testes, and some other cell types.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification.

SPECIFICITY

This antibody recognizes ~97 kDa of mouse or rat CD133 protein from mouse embryonic stem cells lysates by Western blot. This antibody reacts with human, rat and mouse. The other species are not tested.

APPLICATIONS/SUGGESTED WORKING DILUTIONS

Western Blot	0.1-1 µg/ml
ELISA	0.01-0.1 µg/ml
Immunoprecipitation	2-5 µg/ml
IHC	2-5 µg/ml
Flow cytometry	10-20 µg per 10 ⁶ cells

FORMULATION

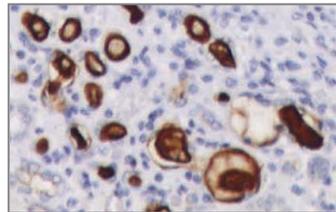
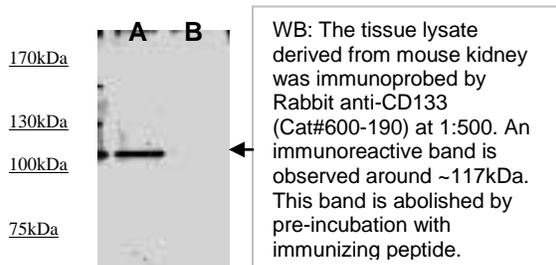
This affinity purified antibody is supplied in sterile phosphate-buffered saline (pH7.2) containing antibody stabilizer

STORAGE

The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2°C-8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

Order Information	
Description:	Rabbit anti CD133
Catalogue#:	600-190
Lot#:	See the label
Size:	100 ug/200 ul
Host:	Rabbit
Clone:	N/A
Application:	ELISA, WB, IP,IF
Reactivity:	Hu/Rt/Ms

DATA ATTACHMENTS



IHC: Human kidney tissue stained with Anti-CD133 antibody, (Cat# 600-190) at 1:100 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

Yin A, et al , AC133, is a novel marker for human hematopoietic stem and progenitor cells. *Blood* **90** (12): 5002–5012 (1997)

FOR RESEARCH USE ONLY.