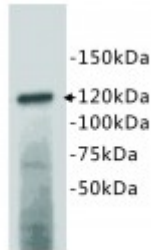


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CD133 Antibody

Catalogue No.: abx019041



WB: mouse kidney tissue lysate

CD133 Antibody is a rabbit polyclonal antibody against human, mouse and rat CD133 (prominin-1). In humans, the CD133 glycoprotein is encoded by the PROM1 gene and is approximately 100-120 kDa in weight. This protein is a member of the pentaspan transmembrane glycoprotein (5-TM) family, which specifically localize to cellular protrusions. CD133 is expressed in a broad range of cell types including haematopoietic stem cells, mammary glands and cells of the digestive tract. Its expression is regulated by several different factors including TGF beta 1 and microRNA.

CD133 has also been identified as a key modulator of several different functions in cancer cells including tumorigenesis and metastasis which promotes their growth, spread and survival. As a result, CD133 is now frequently used as a biomarker for detecting and isolation stem cell and cancer cell populations. Abbexa's CD133 Antibody (abx019041) has been tested in several different applications including Western blotting (WB), immunohistochemistry, immunofluorescence (IF/ICC) and flow cytometry. This allows for the detection, observation and isolation of CD133 and CD133+ cells.

Target: CD133

Reactivity: Human, Mouse, Rat

Host: Rabbit

Clonality: Polyclonal

Tested Applications: WB, IHC, IF/ICC

Recommended dilutions: Optimal dilutions/concentrations should be determined by the end user.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to near C-terminal of human CD133.

Purification: Immunogen affinity purified.

Isotype: IgG

Conjugation: Unconjugated

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Storage:	Aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.
Swiss Prot:	O43490
GeneID:	8842
Gene Symbol:	PROM1
OMIM:	604365
HGNC:	9454
Ensembl:	ENSG00000007062
Buffer:	In TBS (pH7.4), 0.5% BSA, 40% Glycerol and 0.05% Sodium Azide.
Availability:	Shipped within 5-10 working days.
Note:	This product is for research use only.