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PRDM5 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO2166a

Product Information

Application	WB, FC, ICC, E
Primary Accession	Q9NQX1
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Clone Names	7D4C12
Isotype	IgG1
Calculated MW	73090
Description	The protein encoded by this gene is a transcription factor of the PR-domain protein family. It contains a PR-domain and multiple zinc finger motifs. Transcription factors of the PR-domain family are known to be involved in cell differentiation and tumorigenesis.
Immunogen	Purified recombinant fragment of human PRDM5 (AA: 1-100) expressed in E. Coli.
Formulation	Purified antibody in PBS with 0.05% sodium azide

Additional Information

Gene ID	11107
Other Names	PR domain zinc finger protein 5, 2.1.1.-, PR domain-containing protein 5, PRDM5, PFM2
Dilution	WB~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRDM5 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PRDM5
Synonyms	PFM2
Function	Sequence-specific DNA-binding transcription factor. Represses transcription

	at least in part by recruitment of the histone methyltransferase EHMT2/G9A and histone deacetylases such as HDAC1. Regulates hematopoiesis-associated protein-coding and microRNA (miRNA) genes. May regulate the expression of proteins involved in extracellular matrix development and maintenance, including fibrillar collagens, such as COL4A1 and COL11A1, connective tissue components, such as HAPLN1, and molecules regulating cell migration and adhesion, including EDIL3 and TGFB2. May cause G2/M arrest and apoptosis in cancer cells.
Cellular Location	Nucleus
Tissue Location	Widely expressed with highest levels in colon and ovary. Tends to be silenced in breast, colorectal, gastric and liver cancer tissues.

References

1.Tumour Biol. 2014 May;35(5):4509-16.2.J Cancer Res Clin Oncol. 2010 Dec;136(12):1821-5.

Images