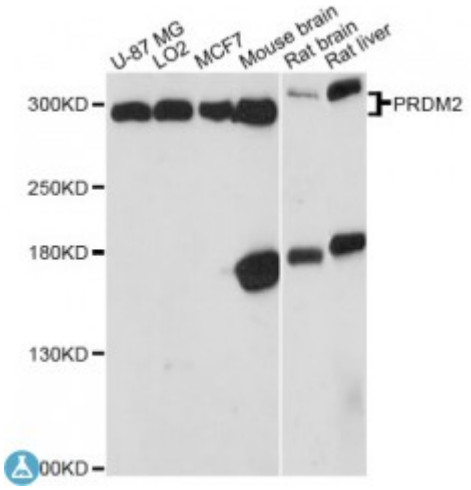
Anti-PRDM2 Antibody



Description	This tumor suppressor gene is a member of a nuclear histone/protein methyltransferase superfamily. It encodes a zinc finger protein that can bind to retinoblastoma protein, estrogen receptor, and the TPA-responsive element (MTE) of the heme-oxygenase-1 gene. Although the functions of this protein have not been fully characterized, it may (1) play a role in transcriptional regulation during neuronal differentiation and pathogenesis of retinoblastoma, (2) act as a transcriptional activator of the heme-oxygenase-1 gene, and (3) be a specific effector of estrogen action. Multiple transcript variants encoding different isoforms have been found for this gene.
Model	STJ115123
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human PRDM2 (NP_036363.2).
Gene ID	7799
Gene Symbol	PRDM2
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Highly expressed in retinoblastoma cell lines and in brain tumors, Also expressed in a number of other cell lines and in brain, heart, skeletal muscle, liver and spleen, Isoform 1 is expressed in testis at much higher level than isoform 3

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	PR domain zinc finger protein 2
Molecular Weight	188.915 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:9347OMIM:601196
Alternative Names	PR domain zinc finger protein 2
Function	S-adenosyl-L-methionine-dependent histone methyltransferase that specifically methylates 'Lys-9' of histone H3, May function as a DNA-binding transcription factor, Binds to the macrophage-specific TPA-responsive element (MTE) of the HMOX1 (heme oxygenase 1) gene and may act as a transcriptional activator of this gene,
Cellular Localization	Nucleus