Datasheet for ABIN6146147

anti-PRDM6 antibody (AA 376-595)

1 Image

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Overview

Quantity:	100 µL
Target:	PRDM6
Binding Specificity:	AA 376-595
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRDM6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 376-595 of human PRDM6 (NP_001129711.1).
Sequence:	LQCIAQDENL NVPSTVMEAM CRQDALQPFN KSSKLAPTTQ QRSVVFPQTP CSRNFSLLDK SGPIESGFNQ INVKNQRVLA SPTSTSQLHS EFSDWHLWKC GQCFKTFTQR ILLQMHVCTQ NPDRPYQCGH CSQSFSQPSE LRNHVVTHSS DRPFKCGYCG RAFAGATTLN NHIRTHTGEK PFKCERCERS FTQATQLSRH QRMPNECKPI TESPESIEVD
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	PRDM6
Alternative Name:	PRDM6 (PRDM6 Products)
Background:	Putative histone methyltransferase that acts as a transcriptional repressor of smooth muscle gene expression. Promotes the transition from differentiated to proliferative smooth muscle by suppressing differentiation and maintaining the proliferative potential of vascular smooth muscle cells. Also plays a role in endothelial cells by inhibiting endothelial cell proliferation, survival and differentiation. It is unclear whether it has histone methyltransferase activity in vivo. According to some authors, it does not act as a histone methyltransferase by itself and represses transcription by recruiting EHMT2/G9a. According to others, it possesses histone methyltransferase activity when associated with other proteins and specifically methylates 'Lys-20' of histone H4 in vitro. 'Lys-20' methylation represents a specific tag for epigenetic transcriptional repression.,PRDM6,KMT8C,PDA3,PRISM,Epigenetics & Nuclear Signaling,PRDM6
Molecular Weight:	14 kDa/46 kDa/64 kDa
Gene ID:	93166
UniProt:	Q9NQX0
Pathways:	Regulation of Muscle Cell Differentiation

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

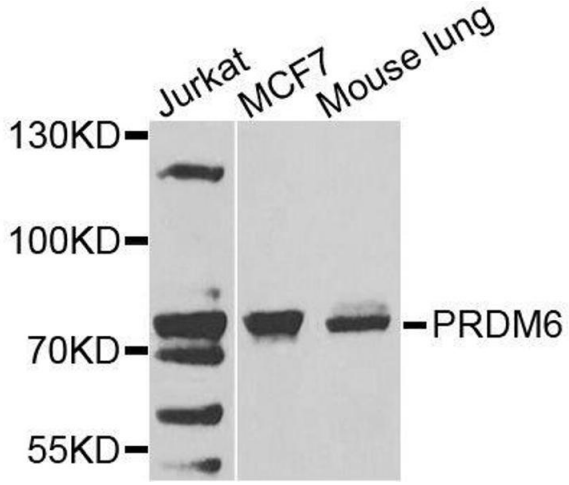
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using PRDM6 antibody.