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Product datasheet for CF809915

PRMT7 Mouse Monoclonal Antibody [Clone ID: OTI9B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9B7
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human PRMT7 (NP_061896) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78.3 kDa
Gene Name:	protein arginine methyltransferase 7
Database Link:	NP_061896 Entrez Gene 214572 MouseEntrez Gene 54496 Human Q9NVM4

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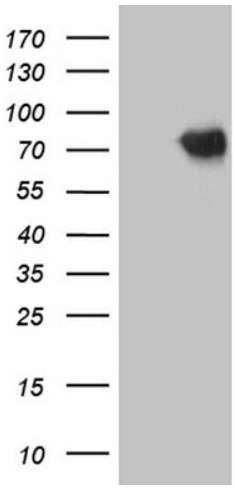
Background: Arginine methylation is an apparently irreversible protein modification catalyzed by arginine methyltransferases, such as PMT7, using S-adenosylmethionine (AdoMet) as the methyl donor. Arginine methylation is implicated in signal transduction, RNA transport, and RNA splicing (Miranda et al., 2004 [PubMed 15044439]). [supplied by OMIM, Mar 2008]. Transcript Variant: This variant (2) lacks an exon in the 5' UTR and in the 5' coding region compared to variant 1. The resulting protein (isoform 2) is shorter but has the same N- and C-termini compared to isoform 1. ##Evidence-Data-START## Transcript exon combination :: AK304605.1 [ECO:0000332] RNAseq introns :: single sample supports all introns ERS025087, ERS025093 [ECO:0000348] ##Evidence-Data-END## COMPLETENESS: complete on the 3' end.

Synonyms: FLJ10640; KIAA1933

Protein Families: Druggable Genome

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PRMT7 ([RC201672], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PRMT7 (1:2000). Positive lysates [LY402728] (100ug) and [LC402728] (20ug) can be purchased separately from OriGene.