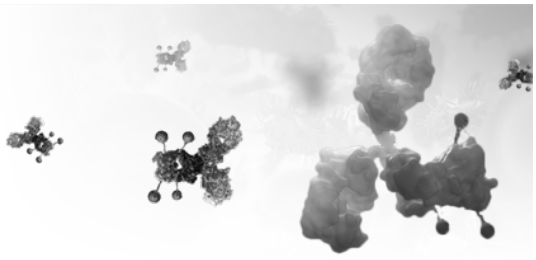

Anti-PRMT6 (aa 241-316) polyclonal antibody (DPAB-DC2391)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the arginine N-methyltransferase family, which catalyze the sequential transfer of methyl group from S-adenosyl-L-methionine to the side chain nitrogens of arginine residues within proteins, to form methylated arginine derivatives and S-adenosyl-L-homocysteine. This protein can catalyze both, the formation of omega-N monomethylarginine and asymmetrical dimethylarginine, with a strong preference for the latter. It specifically mediates the asymmetric dimethylation of Arg2 of histone H3, and the methylated form represents a specific tag for epigenetic transcriptional repression. This protein also forms a complex with, and methylates DNA polymerase beta, resulting in stimulation of polymerase activity by enhancing DNA binding and processivity.
Immunogen	HRMT1L6 (NP_060607, 241 a.a. ~ 316 a.a) partial recombinant protein with GST tag. The sequence is ESEKPLVLSTSPFHPATHWKQALLYLNEPVQVEQDTDVSGEITLLPSRDNPRRLRVLLRY KVGDQEEKTKDFAMED
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

GENE INFORMATION

Gene Name	PRMT6 protein arginine methyltransferase 6 [Homo sapiens (human)]
Official Symbol	PRMT6
Synonyms	PRMT6; protein arginine methyltransferase 6; HRMT1L6; protein arginine N-methyltransferase 6; HMT1 hnRNP methyltransferase-like 6; histone-arginine N-methyltransferase PRMT6; heterogeneous nuclear ribonucleoprotein methyltransferase-like protein 6;
Entrez Gene ID	55170
Protein Refseq	NP_060607
UniProt ID	Q96LA8
Chromosome Location	1p13.3
Function	histone binding; histone methyltransferase activity; histone methyltransferase activity (H2A-R3 specific); histone methyltransferase activity (H3-R2 specific)

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