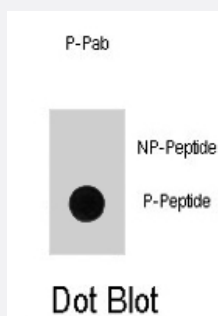


DNMT1 (phospho S714) polyclonal antibody

Catalog # PAB1660 Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of DNMT1 (phospho S714) polyclonal antibody (Cat # PAB1660) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of DNMT1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S714 of human DNMT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	Dot Blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Dot Blot (Peptide)

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Gene Info — DNMT1

Entrez GeneID	1786
Protein Accession#	NP_001370:P26358
Gene Name	DNMT1
Gene Alias	AIM, CXXC9, DNMT, FLJ16293, MCMT, MGC104992
Gene Description	DNA (cytosine-5-)-methyltransferase 1
Omim ID	126375
Gene Ontology	Hyperlink
Gene Summary	DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	CXXC finger protein 9 DNA methyltransferase 1

Publication Reference

- [p53-mediated repression of DNA methyltransferase 1 expression by specific DNA binding.](#)

Peterson EJ, Bogler O, Taylor SM.

Cancer Research 2003 Oct; 63(20):6579.

- [Double RNA interference of DNMT3b and DNMT1 enhances DNA demethylation and gene reactivation.](#)

Leu YW, Rahmatpanah F, Shi H, Wei SH, Liu JC, Yan PS, Huang TH.

Cancer Research 2003 Oct; 63(19):6110.

- [Increased protein expression of DNA methyltransferase \(DNMT\) 1 is significantly correlated with the malignant potential and poor prognosis of human hepatocellular carcinomas.](#)

Saito Y, Kanai Y, Nakagawa T, Sakamoto M, Saito H, Ishii H, Hirohashi S.

International Journal of Cancer 2003 Jul; 105(4):527.

Pathway

- [Cysteine and methionine metabolism](#)
- [Metabolic pathways](#)

Disease

- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Colorectal Neoplasms](#)
- [Cues](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neoplasms](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)
- [Satiety Response](#)
- [Spinal Dysraphism](#)
- [Stomach Neoplasms](#)