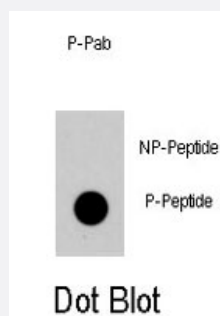


DNMT1 (phospho S154) polyclonal antibody

Catalog # PAB4924

Size 400 uL

Applications



Dot Blot (Peptide)

Dot blot analysis of DNMT1 (phospho S154) polyclonal antibody (Cat # PAB4924) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of DNMT1.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S154 of human DNMT1.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein A purification
Recommend Usage	ELISA (1:1000) 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

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

Dot blot analysis of DNMT1 (phospho S154) polyclonal antibody (Cat # PAB4924) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

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

- [Hypermethylation of RAS effector related genes and DNA methyltransferase 1 expression in endometrial carcinogenesis.](#)

Liao X, Siu MK, Chan KY, Wong ES, Ngan HY, Chan QK, Li AS, Khoo US, Cheung AN.

International Journal of Cancer 2008 Jul; 123(2):296.

- [Haplotypes of DNMT1 and DNMT3B are associated with mutagen sensitivity induced by benzo\[a\]pyrene diol epoxide among smokers.](#)

Leng S, Stidley CA, Bernauer AM, Picchi MA, Sheng X, Frasco MA, Van Den Berg D, Gilliland FD, Crowell RE, Belinsky SA. Carcinogenesis 2008 May; 29(7):1380.

- [Dnmt1 deficiency promotes CAG repeat expansion in the mouse germline.](#)

Dion V, Lin Y, Hubert L Jr, Waterland RA, Wilson JH. Human Molecular Genetics 2008 Feb; 17(9):1306.

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](#)