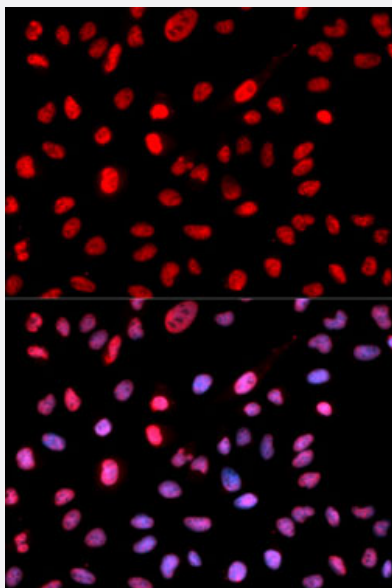


DNMT1 (phospho S714) polyclonal antibody

Catalog # PAB29592 Size 100 uL

Applications



Immunofluorescence

Immunofluorescent staining of MCF-7 cells with DNMT1 (phospho S714) polyclonal antibody (Cat # PAB29592) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of human DNMT1.
Immunogen	A synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S714 of human DNMT1.
Host	Rabbit
Theoretical MW (kDa)	200
Reactivity	Human
Specificity	DNMT1 (phospho S714) polyclonal antibody detects endogenous levels of human DNMT1 only when phosphorylated at serine 714.
Form	Liquid

Purification	Affinity chromatography
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg^{2+} and Ca^{2+}), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	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

- Western Blot
- Immunofluorescence

Immunofluorescent staining of MCF-7 cells with DNMT1 (phospho S714) polyclonal antibody (Cat # PAB29592) at 1:50-1:200 dilution. Blue: DAPI for nuclear staining.

Gene Info — DNMT1

Entrez GeneID	1786
Protein Accession#	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

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](#)