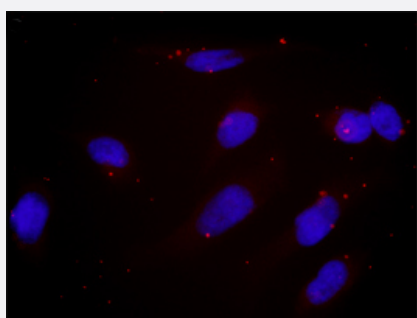


# DNMT1(phospho S714) & DNMT1 Protein Phosphorylation Antibody Pair

Catalog # DP0018      Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

## Specification

### Product Description

This protein phosphorylation antibody pair set comes with two antibodies, one against the DNMT1 protein, and the other against the specific S714 phosphorylated site of DNMT1 for use in [in situ Proximity Ligation Assay](#). [See Publication Reference below](#).

### Reactivity

Human

### Quality Control Testing

Dual recognition immunofluorescence result.  
Representative image of Proximity Ligation Assay of protein phosphorylation. HeLa cells were stained with dual recognition antibody pair set, rabbit polyclonal antibody 1:1200 and mouse monoclonal antibody 1:50. Each red dot represents one single phosphorylated protein. The images were analyzed using an optimized freeware (BlobFinder) download from The Centre for Image Analysis at Uppsala University.

### Supplied Product

Antibody pair set content:  
1. Phospho-DNMT1 S714 rabbit polyclonal antibody (20 ul)  
In PBS (0.09% (w/v) sodium azide)  
2. DNMT1 mouse monoclonal antibody (40 ug)  
In 1x PBS, pH 7.2  
\*Reagents are sufficient for at least 30-50 assays using recommended protocols.

### Storage Instruction

Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — DNMT1

|                    |   |
|--------------------|---|
| Entrez GeneID      | <a href="#">1786</a>  |
| Gene Name          | DNMT1   |
| Gene Alias         | AIM, CXXC9, DNMT, FLJ16293, MCMT, MGC104992   |
| Gene Description   | DNA (cytosine-5-)-methyltransferase 1   |
| Omim ID            | <a href="#">126375</a>  |
| Gene Ontology      | <a href="#">Hyperlink</a>   |
| 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](#)