

## Anti-Dnmt1 Rabbit pAb



WL02772

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-Dnmt1 Rabbit pAb		
<b>Source</b>	Rabbit		
<b>Species reactivity</b>	Human		
<b>Tested applications</b>	WB	1:1000-1:2000	
<b>Pack size</b>	50/100/200/500/1000µl		
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>		
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide		

## General Information

## Background

Methylation of DNA at cytosine residues in mammalian cells is a heritable, epigenetic modification that is critical for proper regulation of gene expression, genomic imprinting and development. DNMT1 is constitutively expressed in proliferating cells and functions as a maintenance methyltransferase, transferring proper methylation patterns to newly synthesized DNA during replication. Dnmt1 co-purifies with the retinoblastoma (Rb) tumour suppressor gene product, E2F1, and HDAC1. Dnmt1 also cooperates with Rb to repress transcription from promoters containing E2F-binding sites suggesting a link between DNA methylation, histone deacetylase and sequence-specific DNA binding activity, as well as a growth-regulatory pathway that is disrupted in nearly all cancer cells.

## Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of Dnmt1.

## Purification

Polyclonal antibody was purified by Protein A affinity chromatography.

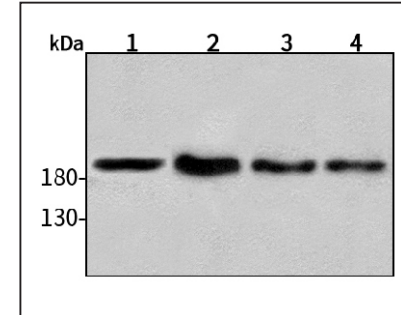
## Anti-Dnmt1 Rabbit pAb



WL02772

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Images



## Western blot-Anti-Dnmt1 pAb

Lane 1: Human MGC-803 cell lysate

Lane 2: Human SGC-7901 cell lysate

Lane 3: Human MCF-7 cell lysate

Lane 4: Human HEK-293 cell lysate

All lanes: Anti-Dnmt1 at 1:1000 dilution

Lysates/proteins at 20-50 µg per lane.

Predicted band size: 184 kDa

Observed band size: 184 kDa