

# AB-NN241-2

## DNMT1 Antibody

Pan-specific monoclonal antibody (4G11-C7) for monitoring the expression of human DNMT1



# KINEXUS

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	DNA (cytosine-5)-methyltransferase 1 (DNMT1)
<b>Alias:</b>	DNA Mtase, DNMT, MCMT, DNA methyltransferase 1, AIM, CXXC9, DNMT, DNA (cytosine-5)-methyltransferase 1, CXXC-type zinc finger protein 9, DNA methyltransferase Hsal
<b>UniProt ID:</b>	P26358 - Human
<b>Human Predicted Mass (KDa):</b>	184.819 (1632 AA; P26358-2); 183.165 (1616 AA; P26358-1); 144.465 (1280 AA; P26358-3)
<b>Observed SDS-PAGE Mass (KDa):</b>	180

### Immunogen

<b>Antibody Immunogen Source:</b>	Raised against a partial protein corresponding to amino acids 620-950 of human DNMT1
-----------------------------------	--

### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	78 IgG1Kappa
<b>Antibody Purification:</b>	Protein G purified
<b>Amount:</b>	25 µg
<b>Antibody Concentration:</b>	1 mg/ml
<b>Lot Number:</b>	15DE1
<b>Storage Buffer:</b>	Phosphate buffered saline pH 7.4, 0.05% BSA, 0.05% sodium azide
<b>Storage Conditions and Stability:</b>	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

### Applications

<b>Product Use:</b>	WB   IHC   IP   ChIP
<b>Antibody Dilution Recommended:</b>	WB (1:500), IHC (1:500); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse   Zebrafish
<b>Antibody Positive Control:</b>	2 µg/ml of SMC-201 was sufficient for detection of Dnmt1 in 10 µg of mouse ES cell lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
<b>Target Detection Immunoblotting:</b>	Detects a ~180 kDa protein. It will cross-react with mouse DNMT1.
<b>Antibody Specificity:</b>	High

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-888-546-3987