

# AB-NN241-3

## DNMT1 Antibody

Pan-specific monoclonal antibody (11H8) for monitoring the expression of human DNMT1



# KINEXUS

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### Target Protein

<b>Name Long:</b>	DNA (cytosine-5)-methyltransferase 1
<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); 144.765 (1280 AA; P26358-3)
<b>Observed SDS-PAGE Mass (KDa):</b>	180

### Immunogen

<b>Antibody Immunogen Source:</b>	Raised against a synthetic peptide corresponding to amino acids 637-650 of human DNMT1
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### Production

<b>Antibody Host Species:</b>	Mouse
<b>Antibody Type:</b>	Monoclonal
<b>Antibody Ig Isotype Clone Lot:</b>	IgG1
<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, 0.05% BSA, 0.05% sodium azide, 50% glycerol
<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
<b>Antibody Dilution Recommended:</b>	WB (1:250), IHC (1:500); optimal dilutions for assays should be determined by the user.
<b>Antibody Species Reactivity:</b>	Human   Mouse
<b>Antibody Positive Control:</b>	2 µg/ml of SMC-231 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>	In mouse brain lysates, this antibody detects a ~180 kDa protein.
<b>Antibody Specificity:</b>	Very High

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

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