

Anti-DNMT1 antibody (760-1109) (STJ119581)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/IP/ELISA/ChIP
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

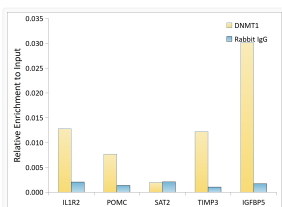
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 IP:0.5 Mu g-4 Mu g antibody for 200 Mu g-400 Mu g extracts of whole cells ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specif
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 183kDa Observed Mw: 200kDa
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

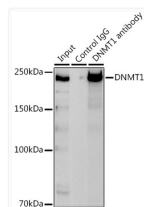
Gene ID	1786
Gene Symbol	DNMT1
UniProt ID	DNMT1_HUMAN
Immunogen Region	760-1109
Immunogen Sequence	GDCVSVIPDDSSKPLYLARV TALWEDSSNGQMFHAHWFCA GTDVLGATSDPLELFLVDE CEDMQLSYIHSKVKVIYKAP SENWAMEGGMDPESELLEGDD GKTYFYQLWYDQDYARFESP PKTQPTEDNKFVKFCVSCARL AEMRQKEIPRVLEQLEDLDS RVLYYSATKNGILYRVGDGV YLPPEAFTFNKILSSPVKRP RKEPVDEDLYPEHYRKYSDY IKGSNLDAPEPYRIGRIKE
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 760-1109 of DNMT1 (NP_001370.1).

ADDITIONAL INFORMATION

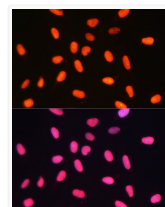
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



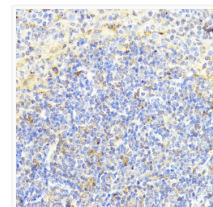
Chromatin immunoprecipitation analysis of extracts of Jurkat cells, using DNMT1 antibody (STJ119581) and rabbit IgG. The amount of immunoprecipitated DNA was checked by quantitative PCR. Histogram was constructed by the ratios of the immunoprecipitated DNA to the input.



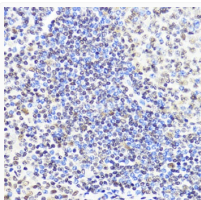
Immunoprecipitation analysis of 300 Mu g extracts of Jurkat cells using 3 Mu g DNMT1 antibody (STJ119581). Western blot was performed from the immunoprecipitate using DNMT1 antibody (STJ119581) at a dilution of 1:1000.



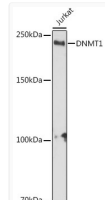
Immunofluorescence analysis of U-2 OS cells using DNMT1 Rabbit polyclonal antibody (STJ119581) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of DNMT1 in paraffin-embedded mouse spleen using DNMT1 Rabbit polyclonal antibody (STJ119581) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of DNMT1 in paraffin-embedded human tonsil using DNMT1 Rabbit polyclonal antibody (STJ119581) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7. 2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of lysates from Jurkat cells, using DNMT1 Rabbit polyclonal antibody (STJ119581) at 1:10000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.