DNMT1 Monoclonal Antibody (60B1220.1)

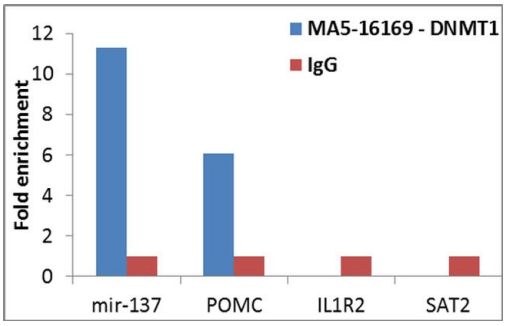
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Pig, Rat
Host/Isotope	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	60B1220.1
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to amino acids 637-650 (EKDDREDKENAFKR) of human Dnmt1.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS
Contains	0.05% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2537688

Applications	Tested	Dilution	Published
Western Blot (WB)	✓	0.1-0.5 µg/mL	1 Publication
ChIP assay (ChIP)	✓	2 µg/10^6 cells	1 Publication
Immunoprecipitation (IP)	✓	1:10-1:500	1 Publication
Immunocytochemistry (ICC)	✓	1:10	
Immunofluorescence (IF)	✓	Assay-Dependent	
Immunohistochemistry (Frozen) (IHC (F))	✓	1:500	
Immunohistochemistry - Free Floating (IHC (Free))	✓	1:500	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1-2 µg/mL	

Product Specific Information

Suggested positive control: human kidney (IHC), mouse ES cells (WB).

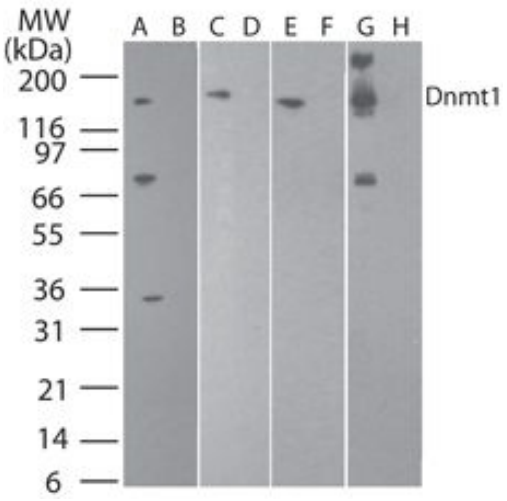
Advanced Verification Data



DNMT1 Antibody (MA5-16169)
Antibody specificity was demonstrated by detection of enrichment of the target protein at specific gene loci. Chromatin Immunoprecipitation (ChIP) was performed using Anti-DNMT1 monoclonal antibody (Product # MA5-16169) using PCR primer pairs over mir-137, POMC, IL1R2 (positive) and SAT2 satellite repeats (negative). Relative expression validation info.

Product Images For DNMT1 Monoclonal Antibody (60B1220.1)

DNMT1 Antibody (MA5-16169) in IHC (P)
Immunohistochemical analysis of Dnmt1 using a Dnmt1 monoclonal antibody (Product # MA5-16169) at 2 µg/mL on formalin-fixed, paraffin-embedded medullar kidney tissue sections.



DNMT1 Antibody (MA5-16169) in WB
Western blot analysis of Dnmt1 in (human embryonic carcinoma) in the A) absence and B) presence of immunizing peptide, recombinant human Dnmt1 protein in the C) absence and D) presence of immunizing peptide, NIH 3T3 (mouse embryonic fribroblast) in the E) absence and F) presence of immunizing peptide, and D3 (mouse embryonic stem cell) in the G) absence and H) presence of immunizing peptide using a Dnmt1 monoclonal antibody (Product # MA5-16169) at 0.5 µg/mL for testing the human cell line and 0.1 µg/mL was used for testing the recombinant protein and the mouse cell lines. Goat anti-mouse Ig HRP secondary antibody.

View more figures on thermofisher.com

3 References

Western Blot (1)

PloS one

DNMT1 and HDAC2 Cooperate to Facilitate Aberrant Promoter Methylation in Inorganic Phosphate-Induced Endothelial-Mesenchymal Transition.

"MA5-16169 was used in western blot to study the interaction between DNMT1 and HDAC2 and how they cooperate to facilitate aberrant promoter methylation in inorganic phosphate-induced endothelial-mesenchymal transition"

Authors: Tan X,Xu X,Zeisberg M,Zeisberg EM

Species
Not Applicable

Dilution
Not Cited

Year
2016

ChIP assay (1)

PloS one

DNMT1 and HDAC2 Cooperate to Facilitate Aberrant Promoter Methylation in Inorganic Phosphate-Induced Endothelial-Mesenchymal Transition.

"MA5-16169 was used in western blot to study the interaction between DNMT1 and HDAC2 and how they cooperate to facilitate aberrant promoter methylation in inorganic phosphate-induced endothelial-mesenchymal transition"

Authors: Tan X,Xu X,Zeisberg M,Zeisberg EM

Species
Not Applicable

Dilution
Not Cited

Year
2016

Immunoprecipitation (1)

PloS one

DNMT1 and HDAC2 Cooperate to Facilitate Aberrant Promoter Methylation in Inorganic Phosphate-Induced Endothelial-Mesenchymal Transition.

"MA5-16169 was used in western blot to study the interaction between DNMT1 and HDAC2 and how they cooperate to facilitate aberrant promoter methylation in inorganic phosphate-induced endothelial-mesenchymal transition"

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