

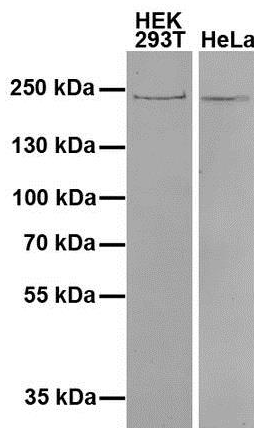
Dnmt1 antibody [2E8]

Relevance	The rat monoclonal Dnmt1 antibody 2E8 is perfectly well suited to sensitively detect a very precise band at 180 kDa in Western Blot analysis. Furthermore the Dnmt1 antibody 2E8 shows a distinct nuclear Dnmt1 immunofluorescence staining in G-phase cells, as well the characteristic replication pattern in S phase cells where maintenance methylation takes place.
Specificity	2E8 efficiently recognizes human Dnmt1
Description	Rat monoclonal antibody [16D10] to human DNA (cytosine-5)-methyltransferase 1 (DNMT1)
Product Type	Primary antibody
Isotype	IgG2a
Form	Liquid; hybridoma supernatant. The hybridoma was cultured in animal origin-free, chemically defined, protein-free medium. Tissue culture supernatant was concentrated by centrifugation using a 30 kDa exclusion membrane.
Size	125 µl; 500 µl
Storage Buffer	PBS, preservative: 0.09% Sodium Azide Material safety datasheet (MSDS) for this product: Sodium Azide MSDS
Storage instructions	Shipped at ambient temperature. Upon receipt store at +4°C. Stable for one year. Do not freeze!
Application	Western blot: recommended starting concentration 1:100 IF: recommended starting concentration 1:100, PFA fix, block with 5% milk PBST The concentration of the antibody can vary. The optimal dilution should be determined by the end user. A titration from 1:200 up to 1:2000 is recommended. ELISA: not tested Immunoprecipitation: not tested

Tested applications

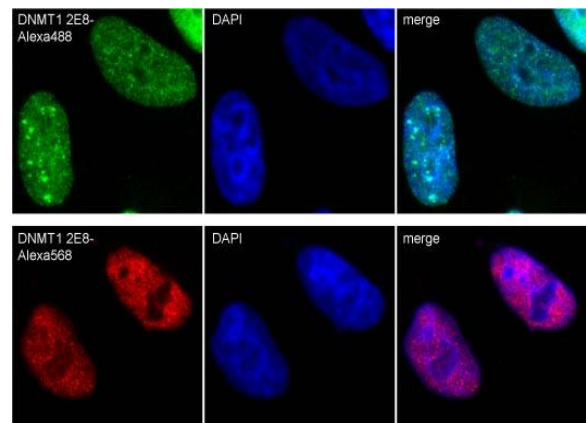
Immunoblot cell lysate

primary antibody: 2E8 1:100
secondary antibody: anti-rat-Alexa647 1:2000



Immunofluorescence

primary antibody: 2E8 1:100 secondary antibody:
1:400 anti-rat-Alexa488 (top)
1:400 anti-rat-Alexa568 (bottom)
Fixation: HeLa cells fixed with 3.7% PFA



Only for research applications, not for diagnostic or therapeutic use.