

Anti-DNMT3A Antibody

Catalog #	Source	Reactivity	Applications
CPA3582	Rabbit	H, M, R	WB, IH
Description	Rabbit polyclonal antibody to DNMT3A		
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human DNMT3A. The exact sequence is proprietary.		
Purification	The antibody was purified by immunogen affinity chromatography.		
Specificity	Recognizes endogenous levels of DNMT3A protein.		
Clonality	Polyclonal		
Conjugation			
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/100)		
Gene Symbol	DNMT3A		
Alternative Names	DNA (cytosine-5)-methyltransferase 3A; Dnmt3a; DNA methyltransferase HsaIIIa; DNA MTase HsaIIIa; M.HsaIIIa		
Entrez Gene	1788 (Human); 13435 (Mouse); 444984 (Rat)		
SwissProt	Q9Y6K1 (Human); O88508 (Mouse); Q1LZ53 (Rat)		
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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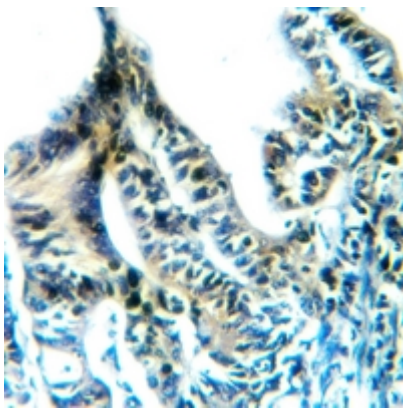
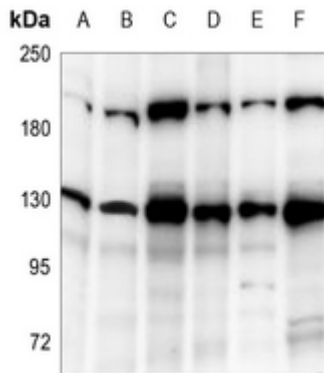
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Product Data Sheet



Western blot analysis of DNMT3A expression in MEF (A), H9C2 (B), HCT116 (C), Jurkat (D), PC3 (E), HEK293T (F) whole cell lysates. (Predicted band size: 16; 81; 101 kD; Observed band size: 130 kD)

Immunohistochemical analysis of DNMT3A staining in human colorectal cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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