

Nur für Forschungszwecke

DNMT3A Polyklonaler Antikörper

Katalog-Nr.:20954-1-AP

Vorgestelltes Produkt

25 Publikationen



Allgemeine Informationen

Katalog-Nr.: 20954-1-AP	GenBank-Zugangsnummer: BC043617	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 350 µg/ml von Nanodrop;	GeneID (NCBI): 1788	Empfohlene Verdünnungen: WB 1:5000-1:50000 IP 0.5-4.0 ug für IP und 1:500-1:2000 für WB
Wirt: Kaninchen	Vollständiger Name: DNA (cytosine-5-)-methyltransferase 3 alpha	IHC 1:1000-1:4000 IF 1:200-1:800
Isotyp: IgG	Berechnete Masse: 912 aa, 102 kDa	
Immunogen Katalognummer: AG15111	Beobachtete Masse: 120-130 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ChIP, IF, IHC, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Ratte, Ziege

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : Jurkat-Zellen, HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, Maushodengewebe, Rattenhodengewebe

IP : HeLa-Zellen,

IHC : humanes Magenkrebsgewebe, Maushodengewebe, Maus-Kolongewebe, Rattenhodengewebe, Ratten-Kolongewebe

IF : K-562-Zellen,

Hintergrundinformationen

DNA methylation in vertebrate animals is an epigenetic modification that is important for embryonic development, imprinting, and the inactivation of X chromosomes. DNA methylation is catalyzed by a family of DNA methyltransferases (DNMTs) that include the maintenance enzyme DNMT1 and de novo methyltransferases DNMT3a and DNMT3b. The overexpression of DNMT1, DNMT3a, and DNMT3b has been reported in various malignancies, including gastric, urothelial, and lung cancers, and may be related to tumorigenesis, tumor progression, and poor survival. Two isoforms of DNMT3a exist: the full-length DNMT3a, and the shorter form DNMT3a2 which lacks the N-terminal fragment. DNMT3a is expressed ubiquitously at low levels, while DNMT3a2 is specially expressed at high levels in embryonic stem cells and shows restricted expression in tissues known to undergo de novo methylation including testis and ovary. This antibody was raised against the N-terminal region of human DNMT3a. It is expected to detect the 120-130 kDa DNMT3a but not 72-100 kDa DNMT3a2.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ye Fu	36098921	Environ Sci Pollut Res Int	WB
Kalaiselvi Sivalingam	32899583	Brain Sci	WB
Yue Ming	36327957	Psychiatry Investig	ChIP,RIP

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

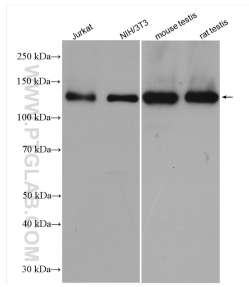
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

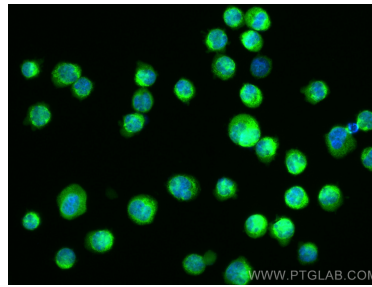
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

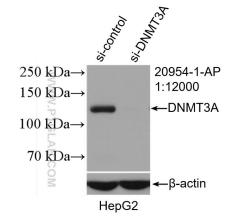
Ausgewählte Validierungsdaten



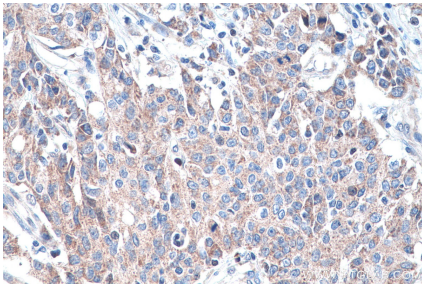
Various lysates were subjected to SDS PAGE followed by western blot with 20954-1-AP (DNMT3A antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



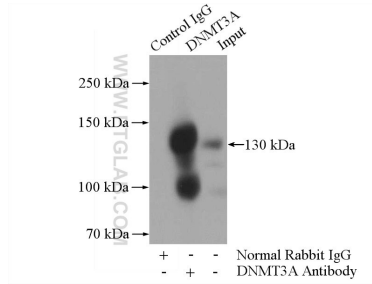
Immunofluorescent analysis of (4% PFA) fixed K-562 cells using DNMT3A antibody (20954-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



WB result of DNMT3A antibody (20954-1-AP; 1:12000; incubated at room temperature for 1.5 hours) with sh-Control and sh-DNMT3A transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20954-1-AP (DNMT3A antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-DNMT3A (IP:20954-1-AP, 4ug; Detection:20954-1-AP 1:1000) with HeLa cells lysate 2000ug.