



Datasheet for ABIN3030750
anti-DNMT3A antibody (AA 457-486)



[Go to Product page](#)

5 Images

Overview

Quantity:	0.4 mL
Target:	DNMT3A
Binding Specificity:	AA 457-486
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNMT3A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 457-486 from the human protein was used as the immunogen for this Dnmt3a antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat, Chicken
Purification:	Purified

Target Details

Target:	DNMT3A
Alternative Name:	Dnmt3a (DNMT3A Products)
Background:	Dnmt3a is required for genome-wide de novo methylation and is essential for the establishment

Target Details

of DNA methylation patterns during development. DNA methylation is coordinated with methylation of histones. It modifies DNA in a non-processive manner and also methylates non-CpG sites. May preferentially methylate DNA linker between 2 nucleosomal cores and is inhibited by histone H1. Plays a role in paternal and maternal imprinting. Required for methylation of most imprinted loci in germ cells. Acts as a transcriptional corepressor for ZBTB18. Recruited to trimethylated 'Lys-36' of histone H3 (H3K36me3) sites. Can actively repress transcription through the recruitment of HDAC activity. [UniProt]

UniProt: [Q9Y6K1](#)

Application Details

Application Notes: Titration of the Dnmt3a antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:50-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

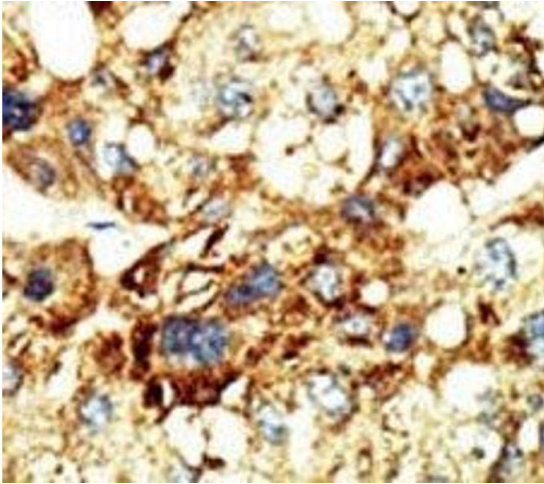
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

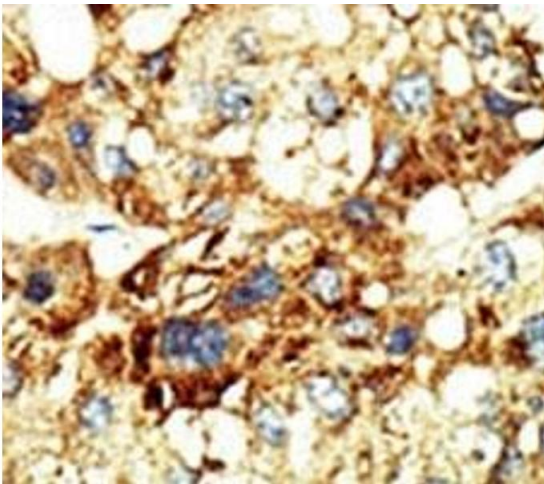
Storage: -20 °C

Storage Comment: Aliquot the Dnmt3a antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



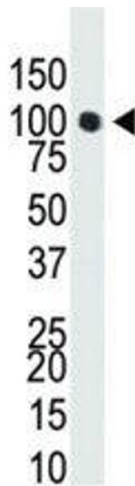
Immunohistochemistry

Image 1. IHC analysis of FFPE human hepatocarcinoma stained with the Dnmt3a antibody



Immunohistochemistry

Image 2. IHC analysis of FFPE human hepatocarcinoma stained with the Dnmt3a antibody



Western Blotting

Image 3. Western blot analysis of Dnmt3a antibody in T47-D cell lysate. Predicted molecular weight: 100-130 kDa

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3030750.