

DNMT3B antibody

Cat. No. GTX00735

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Applications	WB, ICC/IF, IHC-Fr, IHC-Wm, IP, ChIP assay
Reactivity	Mouse

Package
100 µg

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:3000
ICC/IF	1:5000
IHC-Fr	1:2000-1:5000
IHC-Wm	Assay dependent
IP	1:1000
ChIP assay	Assay dependent

Not tested in other applications.

Calculated MW 97 kDa. ([Note](#))

Product Note This antibody recognizes with mouse Dnmt3b isoforms 3b1, 3b2, 3b3 and 3b6, but does not react with Dnmt3a due to its immunogen.

Properties

Form	Liquid
Buffer	PBS, 50% Glycerol
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	~0.3 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant mouse Dnmt3b (amino acids 1-181)
Purification	Purified by antigen-affinity chromatography



For full product information, images and publications, please visit our [website](#).

Date 2026 / 10 / 06 Page 1 of 2

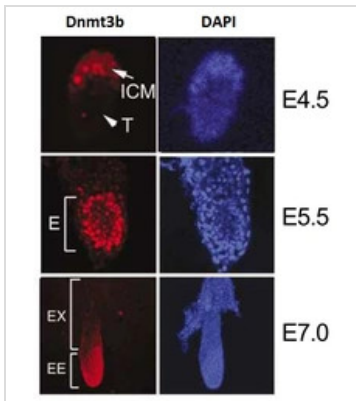
Conjugation

Unconjugated

Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES

GTx00735 IHC-Wm Image

IHC-Wm analysis of mouse embryos at E4.5, E5.5 and E7.0 using GTx00735 DNMT3B antibody (red). Dnmt3b existed at E4.5-7.0, in ICM at E4.5, the epiblast at E5.5, and the embryonic ectoderm at E7.0.

ICM : Inner Cell mass

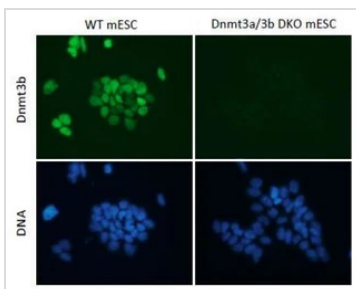
T : Trophectoderm

E : Epiblast

EE : Embryonic Ectoderm

EX : Extraembryonic Region

Fixation : Cold Acetone


GTx00735 ICC/IF Image

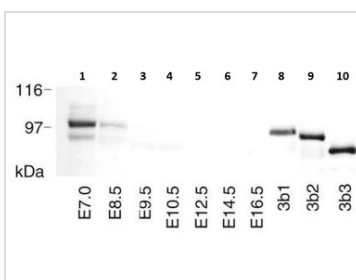
ICC/IF analysis of mouse embryonic stem cells using GTx00735 DNMT3B antibody.

Left : Dnmt3b in wild-type

Right : Dnmt3b/3a knockout

Dilution : 1:5000

Fixation : 4% PFA/PBS for 30 min at 4 degree C


GTx00735 WB Image

WB analysis of mouse embryos using GTx00735 DNMT3B antibody. Dnmt3b was highly expressed in E7.0 embryo but decreased thereafter and was below the detection level after E10.5.

Lane 1-7 : different stages within E7.0-E16.5 of mouse embryo (10 µg)

Lane 8-10 : 293T cells overexpressing 3b1, 3b2, and 3b3 of Dnmt3b isoforms


 For full product information, images and publications, please visit our [website](https://www.genetex.com).