# TET3 antibody [C3], C-term

## Cat. No. GTX121453

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|---|---|
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Applications** | WB, ICC/IF, IHC-Wm, IP, ChIP assay |
| **Reactivity** | Human, Mouse, Bovine, Xenopus laevis |

References ( 39 )
Package
100 µl, 25 µl

## PRODUCT

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|---|---|
| **Summary** | TET3 antibody recognizes TET3 protein (predicted molecular weight of 194 kDa), a dioxygenase involved in active DNA demethylation that converts 5-methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC) and subsequently to 5-formylcytosine (5fC) and 5-carboxylcytosine (5caC). Like TET1 and TET2, TET3 appears to impact epigenetic regulation of gene expression. It is also involved in early embryogenesis, neuronal function, and other processes. |

## Applications

**Application Note**

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

| Suggested dilution | Recommended dilution |
|---|---|
| WB | 1:1000-1:10000 |
| ICC/IF | 1:100-1:1000 |
| IHC-Wm | Assay dependent |
| IP | 1:500-1:1000 |
| ChIP assay | Assay dependent |

Not tested in other applications.

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|---|---|
| **Calculated MW** | 179 kDa. ( Note ) |

## Properties

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| **Form** | Liquid |
| **Buffer** | PBS, 1% BSA, 20% Glycerol |
| **Preservative** | 0.025% ProClin 300 |
| **Storage** | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles. |
| **Concentration** | 0.14 mg/ml (Please refer to the vial label for the specific concentration.) |
| **Immunogen** | Recombinant protein encompassing a sequence within the C-terminus region of human TET3. The exact sequence is proprietary. |

For full product information, images and publications, please visit our **website**.

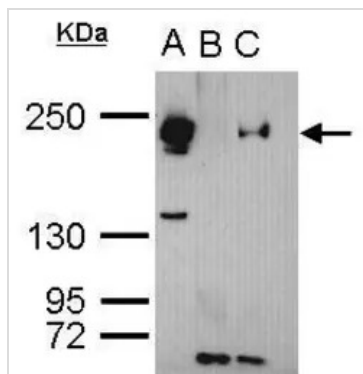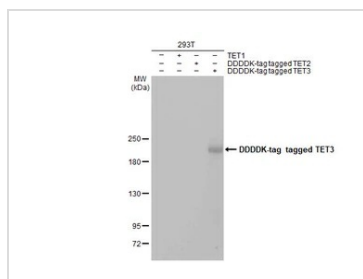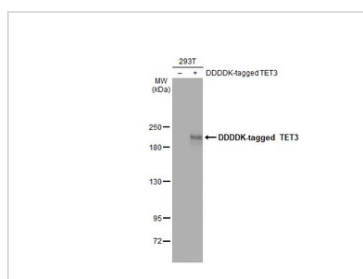| **Purification** | Purified by antigen-affinity chromatography. |
| --- | --- |
| **Conjugation** | Unconjugated |
| **Note** | For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. |
| | Purchasers shall not, 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



**GTX121453 IP Image**

TET3 antibody immunoprecipitates TET3 protein in IP experiments. IP Sample: cell lysate/extract of TET3 gene transfected 293T cells A. Cell lysate/extract of transfected 293T cell B. Control with 2 μg of preimmune rabbit IgG C. Immunoprecipitation of TET3 by 2 μg of TET3 antibody (GTX121453) 5% SDS-PAGE The immunoprecipitated TET3 protein was detected by TET3 antibody (GTX121453) diluted at 1:1000. EasyBlot anti-rabbit IgG (GTX221666-01) was used as a secondary reagent.



**GTX121453 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 μg) were separated by 5% SDS-PAGE, and the membrane was blotted with TET3 antibody [C3], C-term (GTX121453) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody, and the signal was developed with Trident ECL plus-Enhanced.



**GTX121453 WB Image**

Non-transfected (–) and transfected (+) 293T whole cell extracts (30 μg) were separated by 5% SDS-PAGE, and the membrane was blotted with TET3 antibody [C3], C-term (GTX121453) diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

**For full product information, images and publications, please visit our website.**