# Rabbit TET3 Polyclonal Antibody | anti-TET3 antibody

TET3 Antibody

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA10939** | **Rabbit** | **Human, Mouse, Rat** | **ELISA, Immunofluorescence, Immunohistochemistry, Western Blot** |

## PRODUCT SYNONYMS

TET3; Polyclonal Antibody; TET3 Antibody; hCG_40738; KIAA0401; Methylcytosine dioxygenase TET3; TET methylcytosine dioxygenase 3; anti-TET3 antibody

## PRODUCT SPECIFICATIONS

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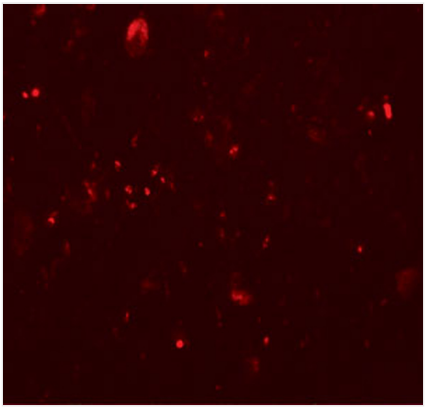
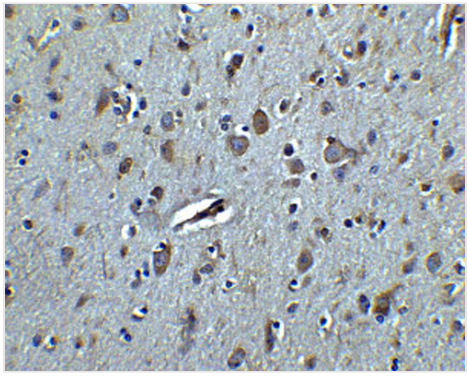
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse, Rat |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Specificity** | At least three isoforms of TET3 are known to exist. TET3 antibody is predicted to not cross react with other TET proteins. |
| **Purity/Purification** | TET3 Antibody is affinity chromatography purified via peptide column. |
| **Form/Format** | Liquid; PBS containing 0.02% sodium azide. |
| **Concentration** | 1 mg/mL (varies by lot) |
| **Applicable Applications for anti-TET3 antibody** | ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot) |
| **Application Notes** | TET3 antibody can be used for detection of TET3 by Western blot at 1 ug/mL.<br>Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL.<br>For immunofluorescence start at 20 ug/mL<br><br>Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples.<br><br>All other applications and species not yet tested.<br><br>Optimal dilutions for each application to be determined by the researcher. |
| **Conjugate** | Unconjugated |
| **Immunogen** | TET3 antibody was raised against a 17 amino acid synthetic peptide near the carboxy terminus of human TET3. |
| **Preparation and Storage** | TET3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

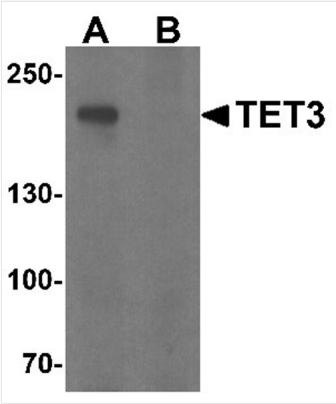
## IMAGES



**IF (Immunofluorescence)**
Immunofluorescence of TET3 in human brain tissue with TET3 antibody at 20 μg/mL.



**IHC (Immunohistochemistry)**
Immunohistochemistry of TET3 in human brain tissue with TET3 antibody at 2.5 μg/ml.




**WB (Western Blot)**
Western blot analysis of TET3 in SK-N-SH cell lysate with TET3 antibody at 1 μg/ml in (A) the absence and (B) the presence of blocking peptide.

## ADDITIONAL INFORMATION

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| **Related Product Information for anti-TET3 antibody** | TET3 Antibody: TET3, a member of the ten-eleven-translocation (TET) family of genes, is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine and is most abundantly expressed in hematopoietic cells. Unlike the related TET2 protein, mutations in TET3 have not been observed in any myeloid malignancies. TET3 has been shown to be involved in the demethylation of zygotic DNA before the first mitosis and has been suggested to be involved in the epigenetic reprogramming of the zygotic paternal DNA following natural fertilization and may also contribute to somatic cell nuclear reprogramming during animal cloning. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 149944516 |
| **NCBI GeneID** | 200424 |
| **NCBI Accession #** | NP_001274420 |
| **NCBI GenBank Nucleotide #** | NM_144993.1 |
| **UniProt Accession #** | O43151; Q86Z24; Q8TBM9; A6NEI3 |
| **NCBI Official Synonym Full Names** | tet methylcytosine dioxygenase 3 |
| **NCBI Official Symbol** | TET3 |
| **NCBI Official Synonym Symbols** | hCG_40738 |
| **NCBI Protein Information** | methylcytosine dioxygenase TET3 |

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| **UniProt Protein Name** | Methylcytosine dioxygenase TET3 |
| **UniProt Gene Name** | **TET3** |
| **UniProt Synonym Gene Names** | KIAA0401 |
| **UniProt Entry Name** | TET3_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/tet3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/10939