

Rabbit anti-Human TET3 Polyclonal Antibody | anti-TET3 antibody

TET3 Antibody

CATALOG # AAA118356	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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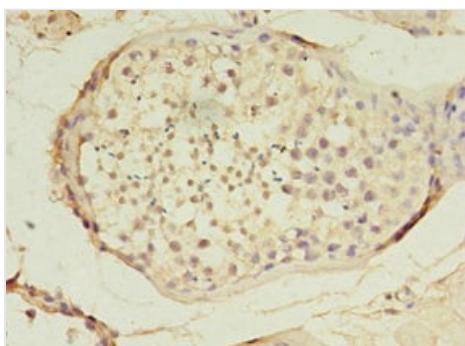
PRODUCT SYNONYMS

TET3; Polyclonal Antibody; TET3 Antibody; Methylcytosine dioxygenase TET3; anti-TET3 antibody

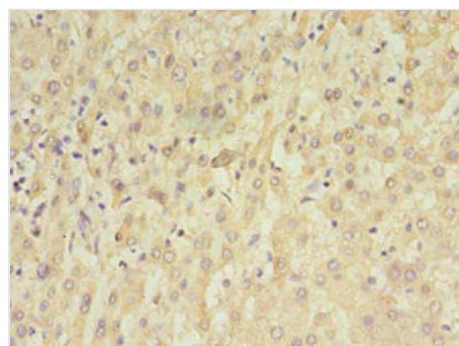
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation Purified
Sequence Length	1660
Applicable Applications for anti-TET3 antibody	IHC (Immunohistochemistry), ELISA
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Conjugate	Non-conjugated
Immunogen	Recombinant human Methylcytosine dioxygenase TET3 protein
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-139186
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis using AAA118356 at dilution 1:100


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA118356 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-TET3 antibody	Dioxygenase that catalyzes the conversion of the modified genomic base 5-methylcytosine (5mC) into 5-hydroxymethylcytosine (5hmC) and plays a key role in epigenetic chromatin reprogramming in the zygote following fertilization. Also mediates subsequent conversion of 5hmC into 5-formylcytosine (5fC), and conversion of 5fC to 5-carboxylcytosine (5caC). Conversion of 5mC into 5hmC, 5fC and 5caC probably constitutes the first step in cytosine demethylation. In zygotes, DNA demethylation occurs selectively in the paternal pronucleus before the first cell division, while the adjacent maternal pronucleus and certain paternally-imprinted loci are protected from this process. Participates in DNA demethylation in the paternal pronucleus by mediating conversion of 5mC into 5hmC, 5fC and 5caC. Does not mediate DNA demethylation of maternal pronucleus because of the presence of DPPA3/PGC7 on maternal chromatin that prevents TET3-binding to chromatin (By similarity). In addition to its role in DNA demethylation, also involved in the recruitment of the O-GlcNAc transferase OGT to CpG-rich transcription start sites of active genes, thereby promoting histone H2B GlcNAcylation by OGT.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	190358928
NCBI GeneID	200424
UniProt Accession #	O43151; Q86Z24; Q8TBM9; A6NEI3
Molecular Weight	77,471 Da
NCBI Official Full Name	Methylcytosine dioxygenase TET3
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
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://www.aaabiotech.com/polyclonal/tet3-antibody-immunohistochemistry-elisa/118356>