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Datasheet for ABIN6991985
anti-TET1 antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	TET1
Binding Specificity:	AA 2030-2080, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TET1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	TET1 antibody was raised against an 18 amino acid peptide near the carboxy terminus of human TET1. The immunogen is located within amino acids 2030 - 2080 of TET1.
Isotype:	IgG
Specificity:	TET1 antibody is human, mouse and rat reactive. This antibody is predicted to not cross-react with TET2 and TET3.
Purification:	TET1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	TET1
Alternative Name:	TET1 (TET1 Products)

Target Details

Background:	TET1, a member of the ten-eleven-translocation (TET) family of genes, was initially discovered as a fusion partner of MLL in acute myeloid leukemias containing the t(10,11)(q22,q23) (1). It is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine (2). TET1 expression is regulated during inflammation in both THP-1 and primary dendritic cells, and is a negative transcriptional regulator of IL-1beta following and inflammatory stimulus (3). Recent evidence has shown that TET1 is part of a signaling pathway that regulates breast cancer growth and metastasis (4).
Molecular Weight:	Predicted: 235 kDa Observed: 240 kDa
Gene ID:	80312
NCBI Accession:	NP_085128
UniProt:	Q8NFU7
Pathways:	Stem Cell Maintenance , Warburg Effect

Application Details

Application Notes:	TET1 antibody can be used for detection of TET1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for Immunohistochemistry at 5 µg/mL. For Immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in rat samples, Immunohistochemistry in human samples, Immunocytochemistry in mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	TET1 Antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: TET1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.