

[Go to Product page](#)

## Datasheet for ABIN7464383 **anti-TET1 antibody**

### Overview

Quantity:	100 µL
Target:	TET1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This TET1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human TET1. The exact sequence is proprietary.
Clone:	GT465
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Affinity purified by Protein G.

### Target Details

Target:	TET1
Alternative Name:	tet methylcytosine dioxygenase 1 ( <a href="#">TET1 Products</a> )
Background:	Tet methylcytosine dioxygenase 1 , CXXC6 , LCX , bA119F7.1,Dioxygenase that specifically

## Target Details

binds methylcytosine (5mC), a minor base in mammalian DNA found in repetitive DNA elements that is crucial for retrotransposon silencing and mammalian development. Catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (hmC). The clear function of 5-hydroxymethylcytosine (hmC) is still unclear but it may influence chromatin structure and recruit specific factors or may constitute an intermediate component in cytosine demethylation. 5-hydroxymethylcytosine (hmC) is present in ES cells and is enriched in the brain, especially in Purkinje neurons. May play a role in the fetal development of heart, lung and brain.

Molecular Weight: 235 kDa

Gene ID: 80312

UniProt: [Q8NFU7](#)

Pathways: [Stem Cell Maintenance](#), [Warburg Effect](#)

## Application Details

Application Notes: WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: DDDDK-human TET1-transfected 293T cells , NT2D1 nuclear extract  
Validation: Orthogonal

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: PBS, No Preservative

Preservative: Without preservative

Storage: 4 °C,-20 °C

Storage Comment: 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.