

Product Datasheet

TET1 antibody [GT1462] GRP78

Description

Dioxygenase that specifically 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.

Species/Host

Mouse

Reactivity

Human, Mouse

Conjugation

Unconjugated

Tested Applications

ChIP, ICC, IF, IHC-P, IP, WB

Immunogen

Recombinant protein encompassing a sequence within the center region of human TET1. The exact sequence is proprietary.

Form/Appearance

Liquid: PBS

Concentration

1 mg/ml

Storage

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.

Note

For research use only.

Isotype

IgG2a

Clonality

Monoclonal

Purity

Affinity purified by Protein G.

Clone ID

GT1462

Uniprot ID

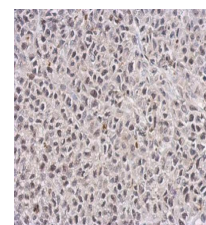
Q8NFU7

Entrez

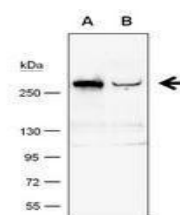
80312

Dilution Range

WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000, IP: 1:100-1:500



TET1 antibody [GT1462] detects TET1 protein at nucleus on HeLa xenograft by immunohistochemical analysis.
Sample: Paraffin-embedded HeLa xenograft. TET1 antibody [GT1462] (GRP530) dilution: 1:100.



TET1 antibody [GT1462] detects TET1 protein by western blot analysis. A. 50 µg whole cell lysate/extract from 293T cells transfected with scramble siRNA B. 50 µg whole cell lysate/extract from TET1-knockdown 293T cells 6% SDS-PAGE TET1 antibody [GT14