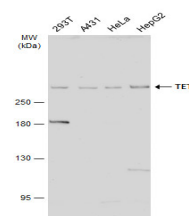


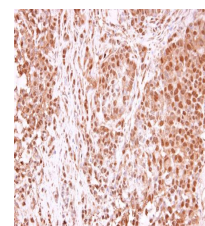
## Product Datasheet

### TET1 antibody [N3C1] GRP63

<b>Description</b>	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.
<b>Species/Host</b>	Rabbit
<b>Reactivity</b>	Human, Mouse, Monkey
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ChIP, ICC, IF, IHC-P, IP, WB
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human TET1. The exact sequence is proprietary.
<b>Form/Appearance</b>	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
<b>Concentration</b>	3.66 mg/ml
<b>Storage</b>	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.
<b>Note</b>	For research use only.
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Purity</b>	Purified by antigen-affinity chromatography.
<b>Uniprot ID</b>	<b>Q8NFU7</b>
<b>Entrez</b>	<b>80312</b>
<b>Dilution Range</b>	WB: 1:500-1:3000, ICC: 1:100-1:1000, IHC-P: 1:100-1:1000



Various whole cell extracts (30 µg) were separated by 5% SDS-PAGE, and the membrane was blotted with TET1 antibody [N3C1] (GRP515) diluted at 1:2000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



TET1 antibody [N3C1] detects TET1 protein at nucleus in human A549 xenograft by immunohistochemical analysis. Sample: Paraffin-embedded human A549 xenograft. TET1 antibody [N3C1] (GRP515) diluted at 1:250.