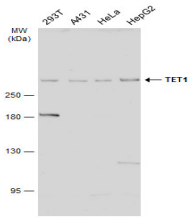
German Research Products - GRP GmbH
In der Stockwiese 26
D-85410 Haag/Amper, Germany
Email: info@grp-ak.de
Phone: +49 (0)8167 6335

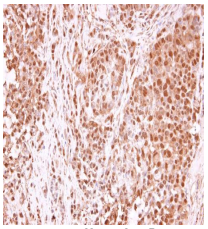
Product Datasheet

TET1 antibody [N3C1]
GRP63

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	Rabbit
Reactivity	Human, Mouse, Monkey
Conjugation	Unconjugated
Tested Applications	ChIP, ICC, IF, IHC-P, IP, WB
Immunogen	Recombinant protein encompassing a sequence within the cente region of human TET1. The exact sequence is proprietary.
Form/Appearance	Liquid: 1XPBS, 20% Glycerol (pH7). 0.025% ProClin 300 was added as a preservative.
Concentration	3.66 mg/ml
Storage	Store as concentrated solution. Centrifuge briefly prior to openin 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	IgG
Clonality	Polyclonal
Purity	Purified by antigen-affinity chromatography.
Uniprot ID	**Q8NFU7**
Entrez	**80312**
Dilution Range	WB: 1:500-1:3000,ICC: 1:100-1:1000,IHC-P: 1:100-1:1000



Various whole cell extracts (30 ?g) 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.