

Datasheet for ABIN7565849
anti-TET3 antibody (N-Term)



[Go to Product page](#)

Overview

Quantity:	25 µL
Target:	TET3
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TET3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	TET3 Antibody
Immunogen:	Immunogen: TET3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a human TET-3 domain containing the N-terminal 160 amino acids of the protein. Immunogen Type: Recombinant Protein
Characteristics:	Synonyms: rabbit anti-TET3 Antibody, TET antibodies, Anti-TET Methylcytosine Dioxygenase 3, Anti-TET3 polyclonal antibody, KIAA0401 antibody, dioxygenase antibodies
Purification:	Anti-TET3 Antibody was prepared from whole rabbit antiserum by delipidation and defibrination. The antiserum was further cross-absorbed against MBP by chromatography.
Sterility:	Sterile filtered

Target Details

Target:	TET3
Alternative Name:	TET3 (TET3 Products)
Background:	Background: Anti-Tet3 is expressed in colon, muscle, adrenal gland and peripheral blood lymphocytes. Anti-Tet3 is involved in the epigenetic chromatin reprogramming of a zygote after its fertilization, and the demethylation occurs before the first cell division in the paternal pronucleus. Tet 3 antibody cannot bind to the maternal pronucleus chromatin due to DPPA3/PGC7 chromatin presence. Tet 3 functions as the dioxygenase which synthesizes a hydroxyl group to 5-methylcytosine (5mC) to form 5-hydroxymethylcytosine. Tet3 mediates the formation of 5-formylcytosine from 5hmC and subsequently 5fC to 5-carboxylcytosine, and consequently Tet3 plays an active role in catalyzing those conversions which have been suggested as the first step for cytosine DNA de-methylation. Tet 3 also recruits O-GlcNAc transferase OGT to aid H2B GlcNAcylation by OGT. Anti-TET3 antibodies are ideal for researchers interested in Epigenetics, Cancer, Chromatin Research and Histone research.
Gene ID:	200424
NCBI Accession:	NP_659430
UniProt:	O43151
Pathways:	Warburg Effect

Application Details

Application Notes:	Application Note: Tet3 antibody has been tested by Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect band at ~180 kDa. This antibody is suitable for use by ELISA. Western Blot Dilution: 1:5000 ELISA Dilution: 1:50,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	70 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Expiry Date:	12 months