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Datasheet for 600-401-FC9

TET2 Antibody

Overview

Description:	Anti-TET2 (RABBIT) Antibody - 600-401-FC9
Item No.:	600-401-FC9
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	TET2, a member of the ten-eleven-translocation (TET) family of genes, is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine to 5-hydroxymethylcytosine. It is a candidate tumor suppressor gene reported to be mutated in approximately 14% of patients with JAK2V617F-positive myeloproliferative neoplasms (1), and can be mutated in other hematopoietic disorders such as myelodysplastic syndromes, acute myeloid leukemia, and chronic myelomonocytic leukemia (2). Analysis of the TET2 and JAK2 mutations in these neoplasms suggests that mutations in TET2 do not represent a predisposition for acquiring mutations in JAK2.
Synonyms:	TET2 Antibody, MDS, KIAA1546, Nbla00191, Methylcytosine dioxygenase TET2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	TET2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-TET2 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human TET2.

Purity/Specificity:	Anti-TET2 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. TET2 antibody is human and mouse reactive. At least two isoforms of TET2 are known to exist; this antibody will detect the larger isoforms. This antibody is predicted to not cross-react with TET1 and TET3.
Relevant Links:	• UniProtKB - Q6N021 • GeneID - 54790 • NCBI - NP_001120680.1

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-TET2 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 224 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

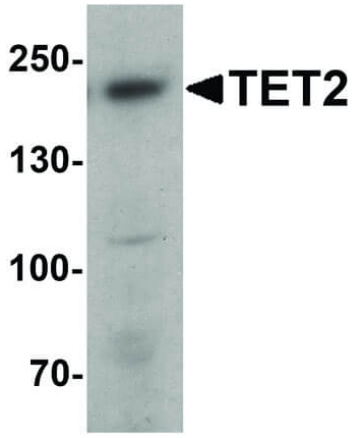
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Rabbit Anti-TET2 antibody. Lane A: 3T3 cell lysate. Primary antibody: TET2 antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat Anti-Rabbit HRP antibody for 30min RT. Block: 5% BLOTTO. Predicted/Observed size: 220 kDa for TET2.

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