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TET3 (vPair™) Antibodies

Cat#: RM1092-vp

Lot#: Refer to vial

Predicted M.W.: 179 kDa

Uniprot ID: O43151

Application: WB, IP (R1092-1)

Quantity: Any 2 of the following TET3 antibodies:

50 ul TET3 (N1) (R1092-1) Rabbit Polyclonal

50 ul TET3 (C1) (R1092-2a) Rabbit Polyclonal

50 ul TET3 (C3) (M1092-3) Mouse Monoclonal (Isotype: Mouse IgM; Clone: 4D5)

Product Introduction:

vPair™ antibodies represent a pair of fully characterized antibodies that recognize two different regions of a target protein. The product is developed by Abiocode to address whether the signal observed truly represents the protein of interest, an often encountered issue in antibody-based assays. The use of a pair of fully characterized vPair™ antibodies in the same assay can validate signal specificity since vPair™ antibodies recognize two independent epitopes of the same protein. Different sets of vPair™ antibodies are developed at Abiocode to work with specific applications, including antibody arrays, Western blot, IP-Western, ChIP, IHC, and FACS.

Background:

TET3 is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC), and may play a role in DNA demethylation. TET3 is a member of the ten-eleven translocation (TET) gene family.

Other Names:

Methylcytosine dioxygenase TET3, KIAA0401

Source and Purity:

Rabbit polyclonal and Mouse monoclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the N terminal [TET3 (N1) (R1092-1)] or 2 distinct C-terminal regions [TET3 (C1) (R1092-2a) and TET3 (C3) (M1092-3)] of human TET3. Rabbit polyclonal antibodies were purified by affinity purification using immunogen. Mouse monoclonal antibodies are provided as ascites.

Storage Buffer and Condition:

Rabbit polyclonal antibodies were supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN₃. Mouse monoclonal antibodies were supplied as ascites containing 40% Glycerol and 0.01% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:500-1:2,000 (detect endogenous protein*)

Immunoprecipitation (IP): 1:50- 1:100 (R1092-1)

*: The apparent protein size on WB may be different from the calculated M.W. due to modifications.

Product Data:

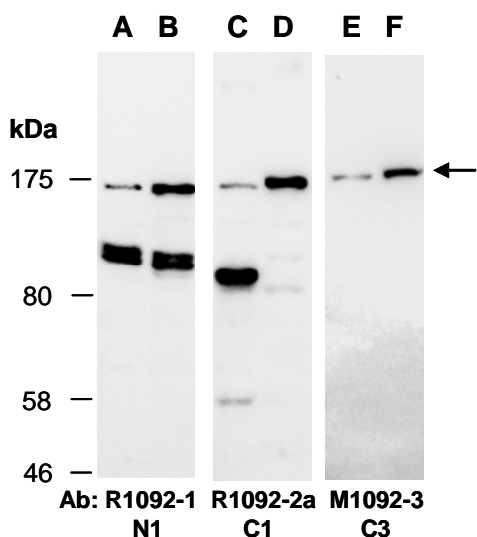


Fig 1. Western blot of total cell extracts from (A, C, E) human Jurkat, (B, D, F) mouse thymus, using 3 independent Abs against 3 distinct regions of human TET3 at RT for 2 h.