Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

TET2 (C2) Antibody, Rabbit Polyclonal

Cat#: R1086-6b

Lot#: Refer to vial

Quantity: 100 ul

Application: WB, ChIP

Predicted M.W.: 224 kDa

Uniprot ID: Q4JK59

Background:

TET2 is a methylcytosine dioxygenase that catalyzes the conversion of methylcytosine (5mC) to 5-hydroxymethylcytosine (5hmC). 5-hydroxymethylcytosine may influence chromatin structure and recruit specific factors or may constitute an intermediate component in cytosine demethylation. TET2 plays an important role in myelopoiesis, and defects in TET2 gene have been associated with several myeloproliferative disorders.

Other Names:

Methylcytosine dioxygenase TET2, KIAA1546

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing the C-terminal region of mouse TET2. Antibodies were purified by affinity purification using immunogen.

Storage Buffer and Condition:

Supplied in 1 x PBS (pH 7.4), 100 ug/ml BSA, 40% Glycerol, 0.01% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human, Mouse

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)
ChIP: 1:100-1:200 (Ref. 1)

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

Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
order@abiocode.com
Web: www.Abiocode.com

Product Data:

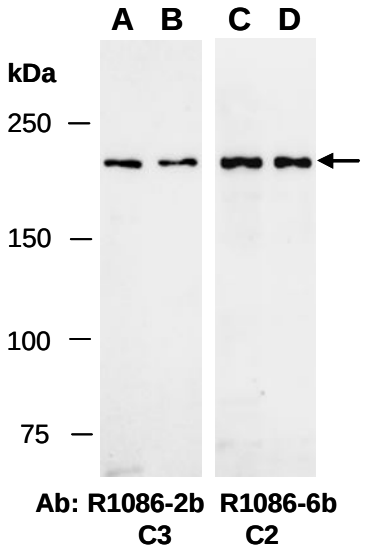

Fig 1. *Western blot of total cell extracts from (A, C) human Jurkat, (B, D) mouse thymus, using 2 independent Abs against 2 distinct regions of human or mouse TET2 at RT for 2 h.*

References:

1. Otani J, Kimura H, Sharif J, Endo TA, Mishima Y, Kawakami T, Koseki H, Shirakawa M, Suetake I, Tajima S. (2013) Cell cycle-dependent turnover of 5-hydroxymethyl Cytosine in mouse embryonic stem cells. *PLoS One.* 8(12):e82961. doi: 10.1371/journal.pone.0082961.