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HNMT (vPair™) Antibodies

Cat#: R0074-vp

Lot#: Refer to vial

Predicted M.W.: 33 kDa

Uniprot ID: P50135

Application: WB, ELISA

Quantity: 50 ul HNMT (N) (R0074-1) Rabbit Polyclonal Antibody &
50 ul HNMT (C) (R0074-2) Rabbit Polyclonal Antibody

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:

Histamine N-methyltransferase (HNMT) catalyzes the metabolism of histamine. It is the first enzyme in the metabolic pathway that uses S-adenosyl-L-methionine as the methyl donor. HNMT is responsible for the production of histamine in the mammalian brain. It is ubiquitously expressed and the level of HNMT is a critical factor in airway responsiveness to histamine.

Other Names:

HMT, HNMT-S1, HNMT-S2

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with a GST-fusion protein containing either the N-terminal region [HNMT (N) (R0074-1)] or the C-terminal region [HNMT (C) (R0074-2)] of human HNMT. 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% NaN₃. Store at -20 °C. Stable for 6 months from date of receipt.

Species Specificity:

Human

Recommended Conditions:

WB: 1:1,000-1:5,000 (detect endogenous protein*)

ELISA: > 10,000 (detect immunogen)

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

Product Data:

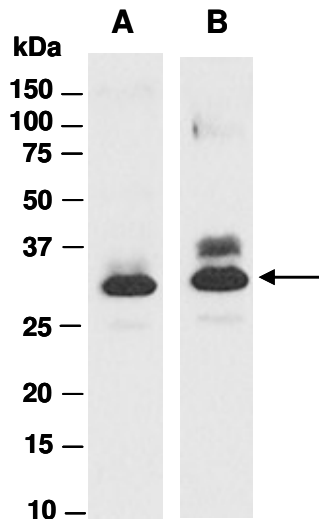


Fig 1. Western blot of total cell extracts from human HeLa, using Ab (A) HNMT (N) (R0074-1) or (B) HNMT (C) (R0074-2) at RT for 2 h.