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ASMTL (vPair™) Antibodies

Cat#: R0205-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 69 | 75 kDa

Uniprot ID: O95671

Application: WB

Quantity: 50 ul ASMTL (N) (R0205-1) Rabbit Polyclonal Antibody &
50 ul ASMTL (C) (R0205-2) 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:

The ASMTL protein has an N-terminus that is similar to the multicopy associated filamentation (maf) protein of *Bacillus subtilis* and to orfE of *Escherichia coli*, while the C-terminus is similar to N-acetylserotonin O-methyltransferase. This *ASMTL* gene is located in the pseudoautosomal region 1 (PAR1) of X and Y chromosomes. Three transcript variants encoding different isoforms have been found for this gene. The function of the ASMTL protein is Unknown. The presence of the putative catalytic domain of S-adenosyl-L-methionine binding argues for a methyltransferase activity (provided by RefSeq and Uniprot)

Other Names:

N-acetylserotonin O-methyltransferase-like protein, acetylserotonin O-methyltransferase-like, ASMTLX, ASMTLY

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [ASMTL (N) (R0205-1)] or the C-terminal [ASMTL (C) (R0205-2)] region of human ASMTL. Antibodies were purified by affinity purification using immunogen.

Species Specificity:

Human, Mouse

For research use only. Not for therapeutic or diagnostic purposes.
Abiocode, Inc., 29397 Agoura Rd., Ste 106, Agoura Hills, CA 91301

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.

Tested Applications:

WB: 1:1,000-1:3,000 (detect endogenous protein*)

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

Product Data:

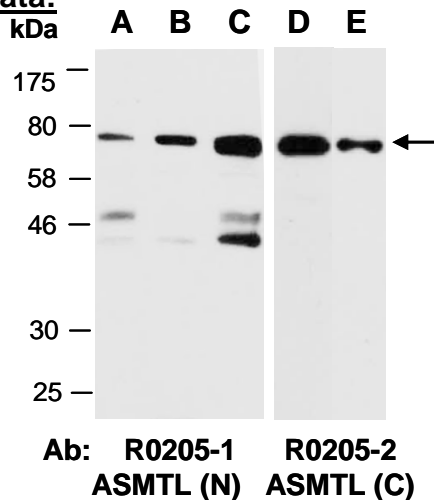


Fig 1. Western blot of total cell extracts from (A) human HeLa, (B) human Jurkat, (C, E) human H1299, (D) mouse brain; using 2 independent Abs against 2 distinct regions of human ASMTL at RT for 2 h.