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CDK16 (vPair™) Antibodies

Cat#: R2125-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 56 | 60 kDa

Application: WB

Uniprot ID: Q00536 for R2125-1; Q04735 for R2125-3

Quantity: 50 ul CDK16 (N) (R2125-1) Rabbit Polyclonal Antibody &
50 ul CDK16 (N2) (R2125-3) 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:

CDK16 is a protein kinase that plays a role in vesicle-mediated transport processes and exocytosis. CDK16 regulates GH1 release by brain neurons. CDK16 also phosphorylates NSF, and thereby regulates NSF oligomerisation. CDK16 is required for normal spermatogenesis. CDK16 regulates neuron differentiation and dendrite development. CDK16 plays a role in the regulation of insulin secretion in response to changes in blood glucose levels. CDK16 is detected in brain and pancreas.

Other Names:

Cell division protein kinase 16, PCTAIRE-motif protein kinase 1, Serine/threonine-protein kinase PCTAIRE-1, PCK1, PCTGAIRE, PCTAIRE1, PCTAIRE, FLJ16665

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct N-terminal regions of human or mouse CDK16. 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.

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

Species Specificity:

Human, Mouse

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:

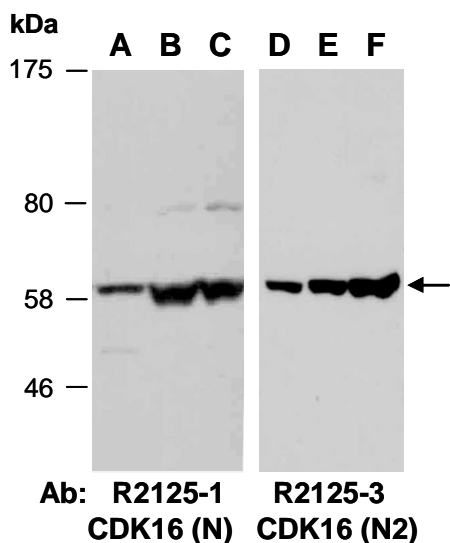


Fig 1. Western blot of total cell extracts from (A,D) mouse thymus, (B,E) human HeLa and (C,F) human Jurkat, using 2 independent Abs against 2 distinct regions of human/mouse CDK16 at RT for 2 h.