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XPO1 (vPair™) Antibodies

Cat#: R2853-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 123 kDa

Uniprot ID: O14980

Application: WB

Quantity: 50 ul XPO1 (N) (R2853-1) Rabbit Polyclonal Antibody &
50 ul XPO1 (C) (R2853-2) 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:

Exportin-1 (XPO1) belongs to the exportin family and mediates the nuclear export of cellular proteins (cargos) bearing a leucine-rich nuclear export signal (NES) and of RNAs. In the nucleus, in association with RANBP3, XPO1 binds cooperatively to the NES on its target protein and to the GTPase RAN in its active GTP-bound form (Ran-GTP).

Other Names:

Exportin-1, Chromosome region maintenance 1 protein homolog, CRM1, EXP1

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [XPO1 (N) (R2853-1)] or the C-terminal [XPO1 (C) (R2853-2)] region of human XPO1. 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, 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:

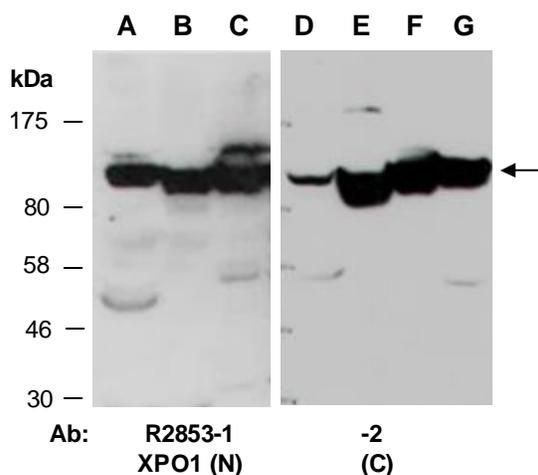


Fig 1. Western blot of total cell extracts from A, D) mouse brain, B, E) mouse thymus, C, F) human HeLa, G) human Jurkat; using 2 independent Abs against 2 distinct regions of human XPO1 at RT for 2 h.