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HSP90AA1 (vPair™) Antibodies

Cat#: R0515-vp

Lot#: Refer to vial

Uniprot ID: P07900

Application: WB

Predicted | Observed MW: 85 | 90 kDa

Quantity: 50 ul HSP90AA1 (N2) (R0515-4) Rabbit Polyclonal Antibody &

50 ul HSP90AA1 (C) (R0515-5) 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:

Heat shock protein HSP 90-alpha (HSP90AA1) is a molecular chaperone that promotes the maturation, structural maintenance and proper regulation of specific target proteins involved in cell cycle control and signal transduction. HSP90AA1 undergoes a functional cycle that is linked to its ATPase activity. This cycle probably induces conformational changes in the target proteins, thereby causing their activation. HSP90AA1 interacts dynamically with various co-chaperones that modulate its substrate recognition, ATPase cycle and chaperone function.

Other Names:

Heat shock protein HSP 90-alpha, Heat shock 86 kDa, HSP 86, Renal carcinoma antigen NY-REN-38, HSP90A, HSPC1, HSPCA

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [HSP90AA1 (N2) (R0515-4)] or the C-terminal [HSP90AA1 (C) (R0515-5)] region of human HSP90AA1. 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:

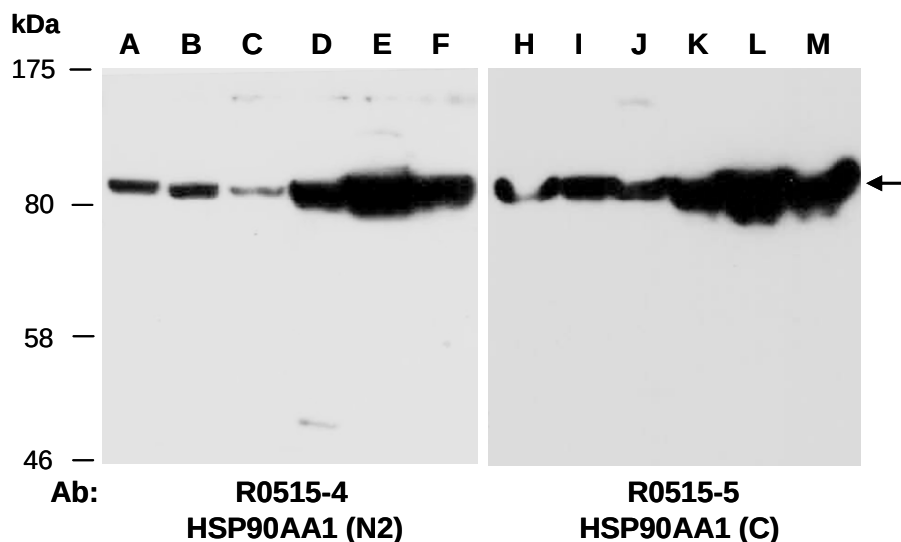


Fig 1. Western blot of total cell extracts from (A,H) mouse brain, (B,I) mouse spleen, (C,J) mouse liver, (D,K) human HeLa, (E,L) human Jurkat, (F,M) human H1299; using 2 independent Abs against 2 distinct regions of human HSP90AA1 at RT for 2 h.