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ELMO1 (vPair™) Antibodies

Cat#: R1845-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 84 kDa

Uniprot ID: Q92556

Application: WB

Quantity: 50 ul ELMO1 (N) (R1845-1) Rabbit Polyclonal Antibody &

50 ul ELMO1 (C) (R1845-2) 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:

Engulfment and cell motility protein 1 (ELMO1) is involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. ELMO1 acts in association with DOCK1 and CRK. ELMO1 was initially proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. Furthermore, ELMO1 may enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1.

Other Names:

Engulfment and cell motility protein 1, Protein ced-12 homolog

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing either the N-terminal [ELMO1 (N) (R1845-1)] or the C-terminal [ELMO1 (C) (R1845-2)] region of human ELMO1. 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:

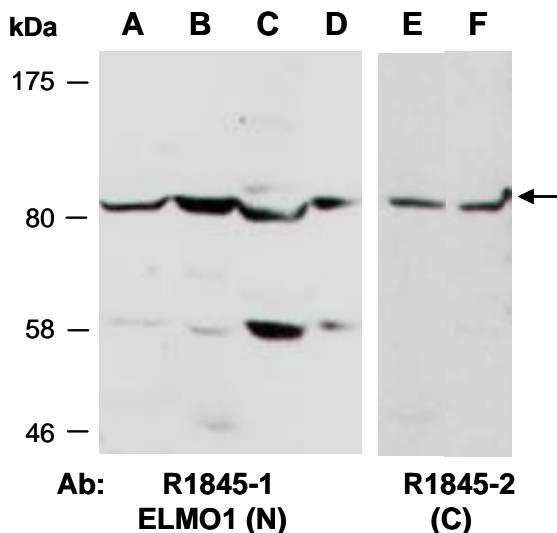


Fig 1. Western blot of total cell extracts from (A) mouse brain, (B, E) mouse thymus, (C) human HeLa, (D, F) human Jurkat; using 2 independent Abs against 2 distinct regions of human ELMO1 at RT for 2 h.