



Order: (888)-282-5810 (Phone)
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FAK (vPair™) Antibodies

Cat#: R0517-vp

Lot#: Refer to vial

Predicted | Observed M.W.: 124 kDa

Uniprot ID: P34152

Application: WB

Quantity: 50 ul FAK (C1) (R0517-1) Rabbit Polyclonal Antibody &
50 ul FAK (C2) (R0517-2) 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:

Focal adhesion kinase (FAK) is a non-receptor protein-tyrosine kinase that plays an essential role in regulating cell migration, adhesion, spreading, reorganization of the actin cytoskeleton, formation and disassembly of focal adhesions and cell protrusions, cell cycle progression, cell proliferation and apoptosis. FAK is required for early embryonic development and placenta development. FAK is important for embryonic angiogenesis, normal cardiomyocyte migration and proliferation, and normal heart development. It has been shown that FAK regulates axon growth and neuronal cell migration, axon branching and synapse formation; therefore, it is required for normal development of the nervous system. FAK also plays a role in osteogenesis and differentiation of osteoblasts. In addition, FAK functions in integrin signal transduction, as well as in signaling events downstream of numerous growth factor receptors, G-protein coupled receptors (GPCR), EPHA2, netrin receptors and LDL receptors. Several transcript variants encoding different isoforms have been found for this gene.

Other Names:

Focal adhesion kinase 1, FADK 1, Focal adhesion kinase-related nonkinase, FRNK, Protein-tyrosine kinase 2, p125FAK, pp125FAK, Fadk, Fak, Fak1, Kiaa4203, PTK2

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

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing 2 distinct C-terminal regions of mouse FAK. Antibodies were purified by affinity purification using immunogen.

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.

Species Specificity:

Human, Mouse

Product Data:

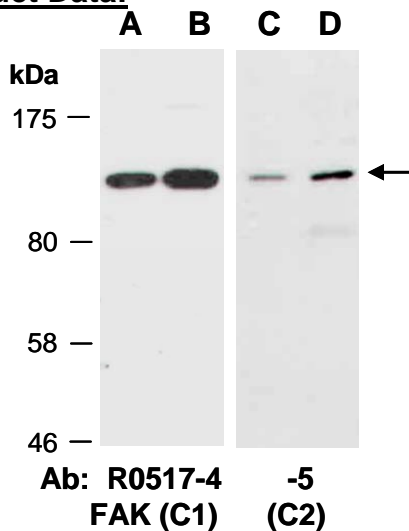


Fig 1. Western blot of total cell extracts from (A) mouse brain, (B, C) mouse thymus, (D) human HeLa; using 2 independent Abs against 2 distinct regions of mouse FAK at RT for 2 h.