Order: (888)-282-5810 (Phone)
(818)-707-0392 (Fax)
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Web: www.Abiocode.com

SYN3 (vPair™) Antibodies

Cat#: R2232-vp **Lot#: Refer to vial**

Predicted I Observed M.W.: 63 I 73 kDa **Application: WB**

Quantity: 50 ul SYN3 (C2) (R2232-2) Rabbit Polyclonal Antibody (Uniprot ID: O14994) &

50 ul SYN3 (C1) (R2232-3) Rabbit Polyclonal Antibody (Uniprot ID: Q8JZP2)

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:

Synapsin-3 (SYN3) is a member of the synapsin gene family. Synapsins encode neuronal phosphoproteins which associate with the cytoplasmic surface of synaptic vesicles. Synapsins have been implicated in synaptogenesis and the modulation of neurotransmitter release, suggesting a potential role in several neuropsychiatric diseases. SYN3 shares the synapsin family domain model, with domains A, C, and E exhibiting the highest degree of conservation. SYN3 also contains a unique domain J, located between domains C and E. Based on this gene's localization to 22q12.3, a possible schizophrenia susceptibility locus, and the established neurobiological roles of the synapsins, SYN3 may represent a candidate gene for schizophrenia.

Other Names:

Synapsin-3, Synapsin III

Source and Purity:

Rabbit polyclonal antibodies were produced by immunizing animals with GST-fusion proteins containing distinct C-terminal regions of either human (R2232-2) or mouse (R2232-3) SYN3. 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% NaN_3. Store at -20 °C. Stable for 6 months from date of receipt.

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Species Specificity:

R2232-2: Human, Mouse

R2232-3: 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:

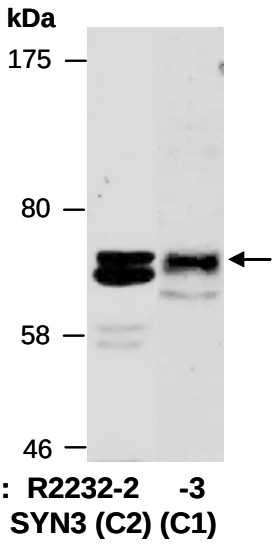

Fig 1. *Western blot of total cell extracts from from mouse brain, using 2 independent Abs against 2 distinct C-terminal regions of SYN3 at RT for 2 h.*

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