

Vav Isoform Antibody Sampler Kit



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Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Vav1 (D45G3) Rabbit mAb	4657	40 µl	95 kDa	Rabbit IgG
Vav2 (C64H2) Rabbit mAb	2848	40 µl	100 kDa	Rabbit IgG
Vav3 Antibody	2398	40 µl	98 kDa	Rabbit
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit cellsignal.com for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

Description

The Vav Isoform Antibody Sampler Kit is an economical way to examine the total protein levels of Vav isoforms 1, 2, and 3. The kit includes enough primary and secondary antibodies to perform four Western blot experiments.

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Background

Vav proteins belong to the Dbl family of guanine nucleotide exchange factors (GEFs) for Rho/Rac small GTPases. The three identified mammalian Vav proteins (Vav1, Vav2 and Vav3) differ in their expression. Vav1 is expressed only in hematopoietic cells and is involved in the formation of the immune synapse. Vav2 and Vav3 are more ubiquitously expressed. Vav proteins contain the Dbl homology domain, which confers GEF activity, as well as protein interaction domains that allow them to function in pathways regulating actin cytoskeleton organization (reviewed in 1). Phosphorylation stimulates the GEF activity of Vav protein towards Rho/Rac (2,3).

Background References

- Hornstein, I. et al. (2004) *Cell. Signal.* 16, 1-11.
- Crespo, P. et al. (1997) *Nature* 385, 169-172.
- Han, J. et al. (1997) *Mol. Cell. Biol.* 17, 1346-1353.

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