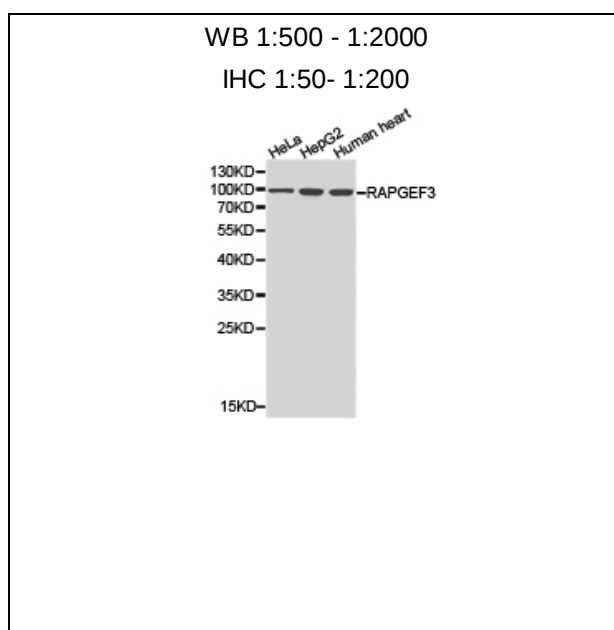




RAPGEF3 Polyclonal Antibody

E92199

- Catalog Number:** E92199
- Amount:** 100ul
- Background:** EPAC1 and EPAC2 (exchange proteins activated by cyclic AMP) are guanine nucleotide exchange factors (GEFs) that catalyze the exchange of GDP for GTP, activating Rap1 and Rap2 small GTPases. Rap activation by EPAC is cAMP-dependent and mediates cAMP signaling in part through protein kinase A (PKA) (reviewed in 1). EPAC signaling plays a significant role in a number of cellular processes including migration and focal adhesion formation (2), exocytosis (3), insulin signaling (4), axon growth and guidance (5) and neurotransmitter release (6).
- Species:** Rabbit
- Isotype:** IgG
- Storage/Stability:** Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
- Synonyms:** CAMP-GEFI; EPAC; EPAC1; HSU79275; MGC21410; bcm910;
- Immunogen:** Recombinant protein of human RAPGEF3
- Purification:** Affinity purification
- Reactivity:** H M R
- Applications:** WB IHC
- Molecular Weight:** 99kDa
- Swiss-Prot No. :** O95398
- Gene ID:** 10411
- References:** 1. Bos, J.L. (2006) Trends Biochem Sci 31, 680-6. 2. Lyle, K.S. et al. (2008) Cell Signal 20, 1104-16. 3. Branham, M.T. et al. (2009) J Biol Chem 284, 24825-39. 4. Petersen, R.K. et al. (2008) Mol Cell Biol 28, 3804-16. 5. Murray, A.J. and Shewan, D.A. (2008) Mol Cell Neurosci 38, 578-88. 6. Ouyang, M. et al. (2008) Proc Natl Acad Sci USA 105, 11993-7.

**For Research Use Only**

Western blot analysis of extracts of various cell lines,
using RAPGEF3 antibody.

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