

RAPGEF3

Reactivity:Human Mouse Rat

Tested applications:WB IHC IF

Recommended Dilution:WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Calculated MW:99kDa

Observed MW:Refer to Figures

Immunogen:

Recombinant protein of human RAPGEF3

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

q

Synonym:

CAMP-GEFI; EPAC; EPAC1; HSU79275; MGC21410; bcm910;

Catalog #:A2199

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:10411

Isotype:IgG

Swiss Prot:O95398

Purity:Affinity purification

For research use only.

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).

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