

## 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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