

# Epac1 Rabbit mAb

Catalog # AP75404

#### **Product Information**

**Application** WB, IP **Primary Accession** 095398

Reactivity Human, Mouse

**Host** Rabbit

**Clonality** Monoclonal Antibody

Calculated MW 103751

#### **Additional Information**

**Gene ID** 10411

Other Names RAPGEF3

**Dilution** WB~~1/500-1/1000 IP~~1/20

Format 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and

0.05% BSA.

**Storage** Store at 4°C short term. Aliquot and store at -20°C long term. Avoid

freeze/thaw cycles.

### **Protein Information**

Name RAPGEF3

Synonyms CGEF1, EPAC, EPAC1

**Function** Guanine nucleotide exchange factor (GEF) for RAP1A and RAP2A small

GTPases that is activated by binding cAMP. Through simultaneous binding of PDE3B to RAPGEF3 and PIK3R6 is assembled in a signaling complex in which it activates the PI3K gamma complex and which is involved in angiogenesis. Plays a role in the modulation of the cAMP- induced dynamic control of endothelial barrier function through a pathway that is independent on Rho-mediated signaling. Required for the actin rearrangement at cell-cell

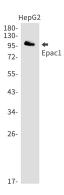
junctions, such as stress fibers and junctional actin.

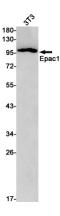
**Cellular Location** Endomembrane system

**Tissue Location** Widely expressed with highest levels in adult kidney, heart, thyroid and brain,

and fetal kidney

## **Images**





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