

Epac1 Rabbit mAb

Catalog # AP75404

Product Information

Application	WB, IP
Primary Accession	O95398
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	103751

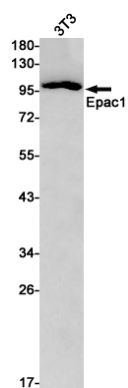
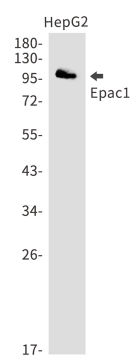
Additional Information

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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