

## Product datasheet for **TA385132**

### Epac1 (RAPGEF3) Rabbit Monoclonal Antibody [Clone ID: R05-6B2]

#### Product data:

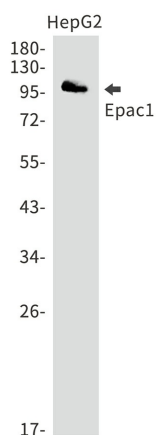
Product Type:	Primary Antibodies
Clone Name:	R05-6B2
Applications:	IP, WB
Recommended Dilution:	WB: 1/2000 IP: 1/20
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human Epac1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 104 kDa; Observed MW: 104 kDa
Gene Name:	Rap guanine nucleotide exchange factor 3
Database Link:	<a href="#">Entrez Gene 10411 Human O95398</a>
Background:	Swiss-Prot Acc.O95398.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.



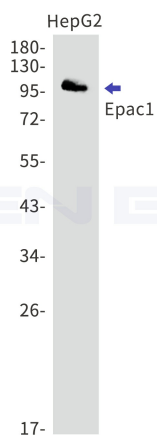
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Synonyms: 9330170P05Rik; bcm910; CAMP-GEFI; CGEF1; EPAC; EPAC1; HSU79275; MGC21410

### Product images:



Western blot analysis of Epac1 in HepG2 lysates using Epac1 antibody.



Western blot detection of Epac1 in HepG2 lysates using Epac1 antibody. Predicted band size: 104 kDa. Observed band size: 104 kDa.