

EPAC1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51831**Specification**

EPAC1 Antibody - Product Information

| | |
|-------------------|------------------------|
| Application | WB, ICC, E |
| Primary Accession | O95398 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 99 KDa |

EPAC1 Antibody - Additional Information**Gene ID** 10411**Other Names**

Rap guanine nucleotide exchange factor 3, Exchange factor directly activated by cAMP 1, Exchange protein directly activated by cAMP 1, EPAC 1, Rap1 guanine-nucleotide-exchange factor directly activated by cAMP, cAMP-regulated guanine nucleotide exchange factor I, cAMP-GEFI, RAPGEF3, CGEF1, EPAC, EPAC1

Dilution

WB~~1:1000
ICC~~N/A
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

EPAC1 Antibody - 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

EPAC1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

EPAC1 Antibody - Images**EPAC1 Antibody - Background**

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EPAC1 Antibody - References

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