

Recombinant

DGRmAb®

## Epac1 (DGR13117) Rabbit mAb

db11196

Package : 10µL 20µL 50µL 100µL

**Product Name** : Epac1 (DGR13117) Rabbit mAb**Cat.No.:** db11196**Synonyms** : EPAC; EPAC1; bcm910; HSU79275; CAMP-GEFI**Application** : WB, IHC-P**Reactivity** : Human,Mouse,Rat**Host species** : Rabbit**Background**

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.

**Immunogen**

A synthetic peptide of human Epac1

**Gene ID**

10411

**Swiss Prot**

O95398

**Synonyms**

EPAC; EPAC1; bcm910; HSU79275; CAMP-GEFI

**Reactivity**

Human,Mouse,Rat

**Application**

WB, IHC-P

**Recommended dilution**

WB: 1:1000-1:5000

IHC-P: 1:50-1:100

**Calculated MW**

104 kDa

**Observed MW**

104 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR13117

**Isotype**

IgG

**Purity**

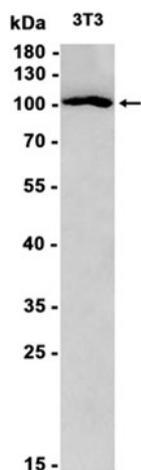
Affinity Purification

**Conjugation**

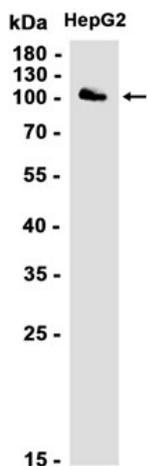
Un-conjugated

**Storage Stability**

Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from 3T3 cells using db11196 at 1:1000.



Western blot analysis of extracts from HepG2 cells using db11196 at 1:1000.