

Epac1 Rabbit mAb

Catalog No: #49669

Package Size: #49669-1 50ul #49669-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

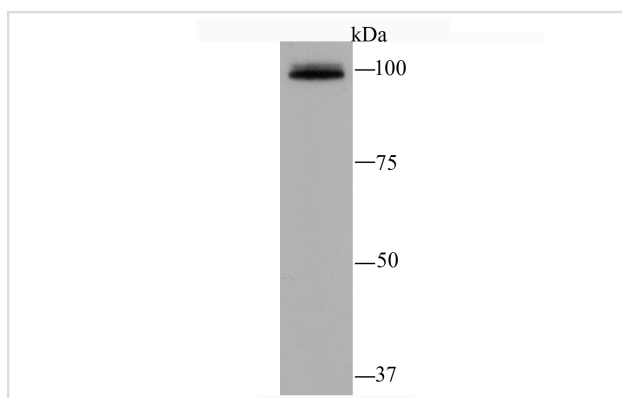
Description

Product Name	Epac1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Purification	ProA affinity purified
Applications	WB, IHC, IP, ICC/IF
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	bcm910 antibody CAMP GEF1 antibody cAMP regulated guanine nucleotide exchange factor I antibody CAMPGEF1 antibody CGEF 1 antibody CGEF1 antibody EPA1 antibody Epac 1 antibody EPAC antibody EPAC1 antibody Exchange factor directly activated by cAMP 1 antibody Exchange protein directly activated by cAMP 1 antibody MGC21410 antibody RAP guanine nucleotide exchange factor antibody Rap guanine nucleotide exchange factor (GEF) 3 antibody RAP guanine nucleotide exchange factor 3 antibody Rap1 guanine nucleotide exchange factor directly activated by cAMP antibody RAPGEF3 antibody
Accession No.	Swiss-Prot#:O95398
Uniprot	O95398
GeneID	10411;
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

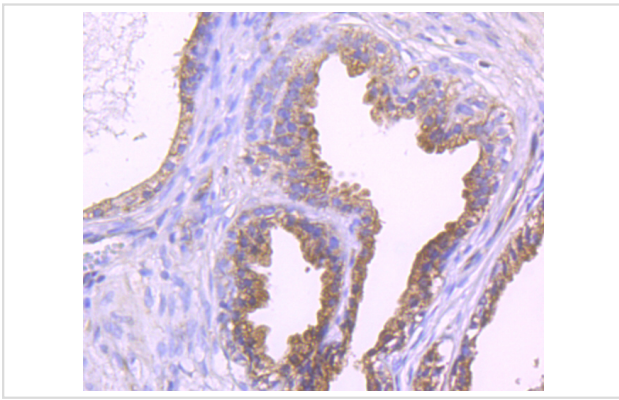
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC/IF: 1:10-1:50 IP: 1:10-1:50

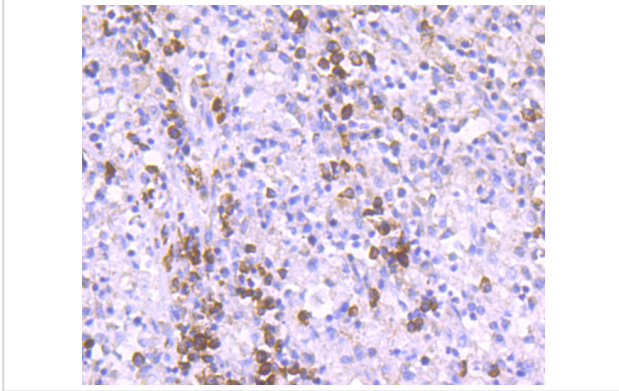
Images



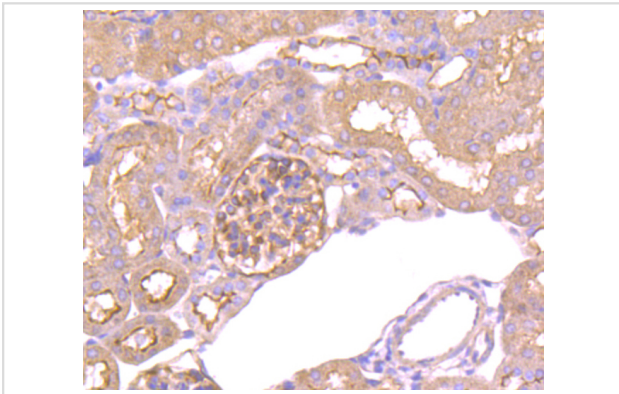
Western blot analysis of Epac1 on mouse kidney tissue lysate using anti-Epac1 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-Epac1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue using anti-Epac1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Epac1 antibody. Counter stained with hematoxylin.

Background

3',5' cyclic adenosine monophosphate (cAMP)-regulated guanine nucleotide exchange factors Epac (Epac1, cAMP-GEFI) and Epac2 (cAMP-GEFII) activate the Ras family GTPases Rap 1 and Rap 2 by promoting GTP binding in a cAMP-dependent manner. Eukaryotic cAMP is a second messenger that induces physiological responses such as gene expression, growth, differentiation, secretion and neurotransmission. The human Epac gene maps to chromosome 12q13.11 with transcript being abundant in the kidney and heart. In situ hybridization indicates expression of Epac in adult rat brain and selective expression in neonatal brain, including septum and thalamus.

References

Note: This product is for in vitro research use only