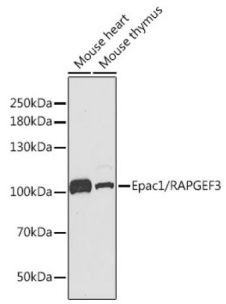
Rap Guanine Nucleotide Exchange Factor 3 (RAPGEF3) Antibody

Catalogue No.:abx001811



Western blot analysis of various lysates using Epac1/RAPGEF3 Antibody at 1/1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) at 1/10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST.

RAPGEF3 Antibody is a Rabbit Polyclonal antibody against RAPGEF3. EPAC1 and EPAC2 (exchange proteins activated by cyclic AMP) are guanine nucleotide exchange factors (GEFs) that catalyze the exchange of GDP for GTP, activating Rap1 and Rap2 small GTPases. Rap activation by EPAC is cAMP-dependent and mediates cAMP signaling in part through protein kinase A (PKA) (reviewed in 1). EPAC signaling plays a significant role in a number of cellular processes including migration and focal adhesion formation (2), exocytosis (3), insulin signaling (4), axon growth and guidance (5) and neurotransmitter release (6).

Target:	Rap Guanine Nucleotide Exchange Factor 3 (RAPGEF3)
Clonality:	Polyclonal
Reactivity:	Human, Mouse
Tested Applications:	ELISA, WB
Host:	Rabbit
Recommended dilutions:	ELISA: 1 µg/ml, WB: 1/500 - 1/2000. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-200 of human Epac1/Epac1/RAPGEF3.
Isotype:	IgG
Form:	Liquid
Purification:	Purified by affinity chromatography.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	O95398 (UniProt, ExPASy)

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Gene Symbol:	RAPGEF3
GeneID:	10411
OMIM:	606057
NCBI Accession:	NP_001092002.1
HGNC:	16629
KEGG:	hsa:10411
Ensembl:	ENSG00000079337
String:	9606.ENSP00000395708
Molecular Weight:	Calculated MW: 104 kDa Observed MW: 104 kDa
Buffer:	PBS, pH 7.3, containing 0.02% sodium azide, 50% glycerol.
Concentration:	0.35 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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