

RAPGEF3 Ab

[Images\(1\)](#)

Cat.#: DF6922	Concn.: ~1mg/ml	Mol.Wt.: 99kDa
Size:	Source: Rabbit	Clonality: Polyclonal

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500
*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse, Rat

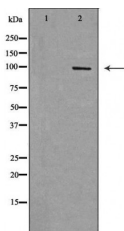
Storage: Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human RAPGEF3, corresponding to a region within C-terminal amino acids.

Uniprot: O95398

Description: 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, exocytosis, insulin signaling, axon growth and guidance and neurotransmitter release.



Western blot analysis of HepG2 cell lysates, using RAPGEF3 Ab. The lane on the left was treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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