

## RPGF4 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP13915
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 240-320
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Rap guanine nucleotide exchange factor 4
<b>Synonyms</b>	Rap guanine nucleotide exchange factor 4 ;Exchange factor directly activated by cAMP 2;Exchange protein directly activated by cAMP 2;EPAC 2;cAMP-regulated guanine nucleotide exchange factor II

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The DEP domain is involved in membrane localization independent from regulation by cAMP.,The N-terminal nucleotide phosphate binding region cAMP 1 has a much lower affinity for cAMP as compared to cAMP 2.,Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2.,Contains 1 DEP domain.,Contains 1 N-terminal Ras-GEF domain.,Contains 1 Ras-GEF domain.,Contains 2 cyclic nucleotide-binding domains.,subunit:Interacts with RIMS1 and RIMS2. Probably part of a complex with RIMS2 and GTP-activated RAB3A.,tissue specificity:Predominantly expressed in brain and adrenal gland. Isoform 2 is expressed in liver. Isoform 1 is expressed in liver at very low levels.,

### Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year