

## C3G (Phospho Tyr504) Rabbit pAb

CatalogNo: YP0377 Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human

#### Applications

- WB,IHC,IF,ELISA

#### MW

- 120kD (Observed)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human RapGEF1 around the phosphorylation site of Tyr504. AA range:470-519

**Specificity** Phospho-C3G (Y504) Polyclonal Antibody detects endogenous levels of C3G protein only when phosphorylated at Y504. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):VPyAP

## Target Information

**Gene name** RAPGEF1

**Protein Name** Rap guanine nucleotide exchange factor 1

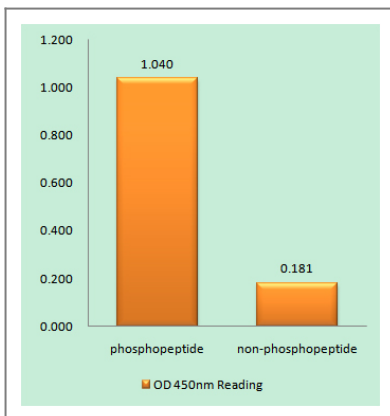
Organism	Gene ID	UniProt ID
Human	<a href="#">2889</a> ;	<a href="#">Q13905</a> ;

**Cellular Localization** Early endosome .

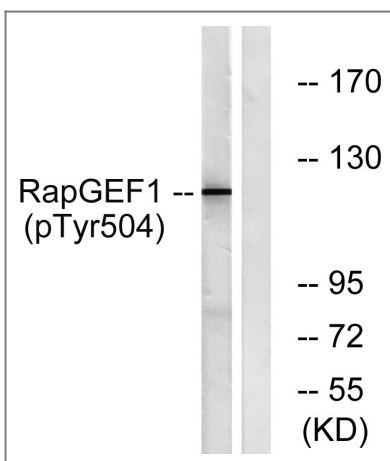
**Tissue specificity** Ubiquitously expressed in adult and fetus. Expression is high in adult skeletal muscle and placenta and in fetal brain and heart. Low levels of expression in adult and fetal liver.

**Function** Function:Guanine nucleotide-releasing protein that binds to SH3 domain of CRK and GRB2/ASH. Transduces signals from CRK to activate RAS.,similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 Ras-GEF domain.,subunit:Interacts with CRK via its SH3-binding sites.,tissue specificity:Ubiquitously expressed in adult and fetus. Expression is high in adult skeletal muscle and placenta and in fetal brain and heart. Low levels of expression in adult and fetal liver.,

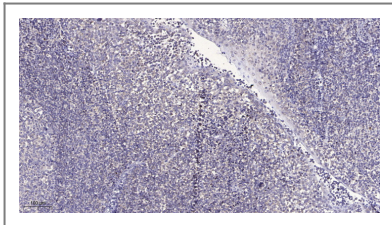
## Validation Data



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using RapGEF1 (Phospho-Tyr504) Antibody



Western blot analysis of lysates from HepG2 cells treated with Na<sub>3</sub>VO<sub>4</sub> 0.3nM 40', using RapGEF1 (Phospho-Tyr504) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4°C overnight). 2, Tris-EDTA, pH 9.0 was used for antigen retrieval. 3, Secondary antibody was diluted at 1:200 (room temperature, 30min).

## | Contact information

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Please scan the QR code to access additional product information:  
**C3G (Phospho Tyr504) Rabbit pAb**

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