

## Src (Phospho Ser17) Rabbit pAb

CatalogNo: YP1507

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 60kD (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 1:1000-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized phospho peptide around human Src (Ser17)

**Specificity** This antibody detects endogenous levels of Human Mouse Rat Src (phospho-Ser17)

### Target Information

**Gene name** SRC SRC1

**Protein Name** Src (Ser17)

Organism	Gene ID	UniProt ID
Human	<a href="#">6714</a> ;	<a href="#">P12931</a> ;
Mouse	<a href="#">20779</a> ;	<a href="#">P05480</a> ;
Rat		<a href="#">Q9WUD9</a> ;

**Cellular Localization**

Cell membrane ; Lipid-anchor . Mitochondrion inner membrane . Nucleus . Cytoplasm , cytoskeleton . Cytoplasm , perinuclear region . Cell junction , focal adhesion . Localizes to focal adhesion sites following integrin engagement (PubMed:22801373) . Localization to focal adhesion sites requires myristoylation and the SH3 domain (PubMed:7525268) . Colocalizes with PDLIM4 at the perinuclear region , but not at focal adhesions (PubMed:19307596) . .

**Tissue specificity**

Expressed ubiquitously. Platelets , neurons and osteoclasts express 5-fold to 200-fold higher levels than most other tissues.; [Isoform 1]: Expressed in spleen and liver. ; [Isoform 2]: Expressed in brain. ; [Isoform 3]: Expressed in brain.

**Function**

Catalytic activity:ATP + a [protein]-L-tyrosine = ADP + a [protein]-L-tyrosine phosphate. ,PTM:Phosphorylated on Tyr-530 by c-Src kinase (CSK) . The phosphorylated form is termed pp60c-src. The phosphorylated tail interacts with the SH2 domain thereby repressing kinase activity. ,similarity:Belongs to the protein kinase superfamily. Tyr protein kinase family. SRC subfamily. ,similarity:Contains 1 protein kinase domain. ,similarity:Contains 1 SH2 domain. ,similarity:Contains 1 SH3 domain. ,subunit:Interacts with DDEF1/ASAP1; via the SH3 domain. Interacts with CCPG1 (By similarity) . Interacts with CDCP1 , PELP1 , TGFB1I1 and TOM1L2. Interacts with the cytoplasmic domain of MUC1 , phosphorylates it and increases binding of MUC1 with beta-catenin. Interacts with RALGPS1; via the SH3 domain. Interacts with HEV ORF3 protein; via the SH3 domain. ,

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## | Validation Data

## | Contact information

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