

## Src (Phospho Tyr529) Rabbit mAb (AR2485)

### Key Features

|               |  |
|---------------|--|
| Host Species: | Rabbit                                 |
| Reactivity:   | Human,Mouse,Rat                        |
| Applications: | WB,IF,IP,ELISA                         |
| Isotype:      | IgG,Kappa                              |
| MW:           | 60 kD (Calculated)<br>55 kD (Observed) |

### Recommended Dilution Ratios

|        |              |
|--------|--------------|
| WB:    | 1:2000-10000 |
| IF:    | 1:200-1000   |
| IP:    | 1:50-200     |
| ELISA: | 1:5000-20000 |

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

### Basic Information

|           |            |
|-----------|------------|
| Clonality | Monoclonal |
|-----------|------------|

### Immunogen Information

**Specificity** Src (Phospho Tyr529) Antibody detects endogenous levels of c-Src protein only when phosphorylated at Y529. 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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):PQyQP

### Target Information

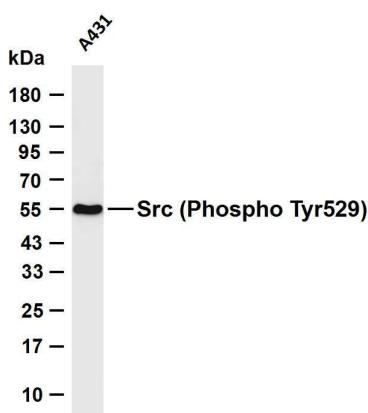
|              |  |
|--------------|--|
| Gene name    | SRC SRC1                                   |
| Protein Name | Proto-oncogene tyrosine-protein kinase Src |

| Organism | Gene ID | UniProt ID |
|----------|---------|------------|
| Human    | 6714    | P12931     |
| Mouse    | 20779   | P05480     |
| Rat      |         | Q9WUD9     |

#### 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 myristylation and the SH3 domain (PubMed:7525268). Colocalizes with PDLIM4 at the perinuclear region, but not at focal adhesions (PubMed:19307596) 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.

#### Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Src (Phospho Tyr529) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody.

Lane 1: A431

Predicted band size: 60kDa

Observed band size: 55kDa

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