Src Family (Phospho Tyr416) (PT0664R) PT™ Rabbit mAb

CatalogNo: YM8471 Recombinant

Key Features

Host Species
- Rabbit

Reactivity
- Human,Mouse,Rat

Applications
- WB,IHC,IF,IP,ELISA

MW
- 58-61kD (Calculated)
60kD (Observed)

Isotype
- IgG, Kappa

Storage

Storage*	-15°C to -25°C/1 year (Do not lower than -25°C)
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200
IHC 1:200-1:500

Basic Information

Clonality	Monoclonal
Clone Number	PT0664R

Immunogen Information

Immunogen	The specific immunogen used to produce this antibody is proprietary information.

Specificity	Phospho-Src (Y416) Antibody detects endogenous levels of c-Src protein only when phosphorylated at Y416.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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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):NEyTA

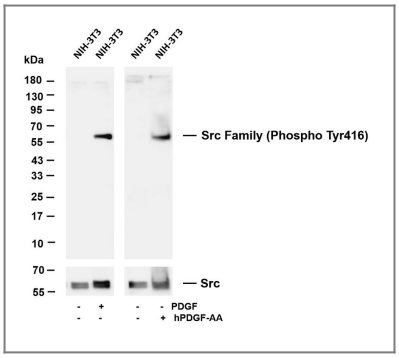
Target Information

Gene name	SRC
Protein Name	Src Family

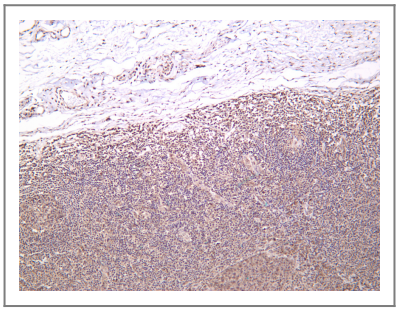
Organism	Gene ID	UniProt ID
Human	6714;	P07947; P07948; P06239; P08631; P12931; P06241;
Mouse	20779;	P05480;
Rat		Q9WUD9;

Cellular Localization	Isoform 1: Membrane; Lipid anchor. Isoform 2: Membrane; Lipid anchor. Cytoplasm.
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. ,

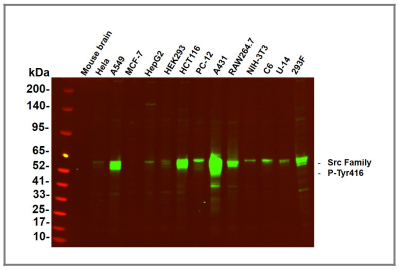
Validation Data



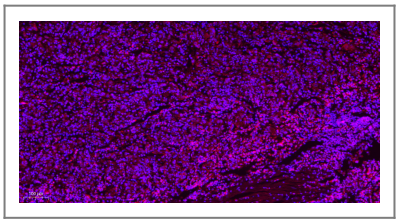
Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Src Family (Phospho Tyr416) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: NIH-3T3 Lane 2: NIH-3T3 was treated with PDGF (100 ng/mL) for 10 minutes Lane 3: NIH-3T3 Lane 4: NIH-3T3 was treated with hPDGF-AA (50 ng/mL) for 30 minutes Predicted band size: 58-61kDa Observed band size: 60kDa



Human tonsil was stained with anti-Src Family (Phospho Tyr416) (PT0664R) Rabbit antibody



Western blot analysis of Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4～C, over night with a 1:5000 dilution . The Dilight 800-conjugated Goat anti-Rabbit antibody(Cat:RS23920) was used to detect the antibody. Lane1: Mouse brain Lane2: Hela Lane3: A549 Lane4: MCF-7 Lane5: HepG2 Lane6: HEK293 Lane7: HCT116 Lane8: PC-12 Lane9: A431 Lane10: RAW264.7 Lane11: NIH-3T3 Lane12: C6 Lane13: U-14 Lane14: 293F



Fluorescence multiplex immunohistochemical analysis of Human kidney

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Please scan the QR code to access additional product information:
Src Family (Phospho Tyr416) (PT0664R) PT™ Rabbit mAb

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