# Src(Phospho-Y419) Conjugated Antibody

Catalog No: #C13367

Package Size: #C13367-AF350 100ul #C13367-AF405 100ul #C13367-AF488 100ul #C13367-AF555 100ul #C13367-AF594 100ul #C13367-AF647 100ul #C13367-AF680 100ul #C13367-AF750 100ul #C13367-Biotin 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

## Description

| | |
|---|---|
| Product Name | Src(Phospho-Y419) Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Monoclonal |
| Species Reactivity | Hu, Ms, Rt |
| Immunogen Description | recombinant protein |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | ERK 2 antibody ERK antibody ERK-2 antibody ERT1 antibody Extracellular Signal Regulated Kinase 2 antibody Extracellular signal-regulated kinase 2 antibody MAP kinase 1 antibody MAP kinase 2 antibody MAP kinase isoform p42 antibody MAPK 1 antibody MAPK 2 antibody Mapk1 antibody MAPK2 antibody Mitogen-activated protein kinase 1 antibody Mitogen-activated protein kinase 2 antibody MK01_HUMAN antibody P38 antibody P40 antibody P41 antibody p42-MAPK antibody P42MAPK antibody PRKM1 antibody PRKM2 antibody protein kinase, mitogen-activated, 1 antibody protein kinase, mitogen-activated, 2 antibody protein tyrosine kinase ERK2 antibody |
| Accession No. | Swiss-Prot#:P28482 |
| Uniprot | P28482 |
| GeneID | 5594; |
| Excitation Emission | AF350: 346nm/442nm<br>AF405: 401nm/421nm<br>AF488: 493nm/519nm<br>AF555: 555nm/565nm<br>AF594: 591nm/614nm<br>AF647: 651nm/667nm<br>AF680: 679nm/702nm<br>AF750: 749nm/775nm |
| Calculated MW | 41 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

## Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

Mitogen-activated protein kinase (MAPK) signaling pathways involve two closely related MAP kinases, known as extracellular-signal-related kinase 1 (ERK 1, p44) and 2 (ERK 2, p42). Growth factors, steroid hormones, G protein-coupled receptor ligands, and neurotransmitters can initiate MAPK signaling pathways. Activation of ERK1 and ERK2 requires phosphorylation by upstream kinases such as MAP kinase kinase (MEK), MEK kinase and Raf-1. ERK1 and ERK2 phosphorylation can occur at specific tyrosine and threonine sites mapping within consensus motifs that include the Threonine-Glutamate-Tyrosine motif. ERK activation leads to dimerization with other ERKs and subsequent localization to the nucleus. Active ERK dimers phosphorylate serine and threonine residues on nuclear proteins and influence a host of responses that include proliferation, differentiation, transcription regulation and development. The human ERK2 gene maps to chromosome 22q11.21 and encodes a 360-amino acid protein.

Note: This product is for in vitro research use only