GATA3 (Phospho-S308) Conjugated Antibody

Catalog No: #C13368

Package Size: #C13368-AF350 100ul #C13368-AF405 100ul #C13368-AF488 100ul #C13368-AF555 100ul #C13368-AF594 100ul #C13368-AF647 100ul #C13368-AF680 100ul #C13368-AF750 100ul #C13368-Biotin 100ul

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

Description

Product Name	GATA3 (Phospho-S308) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ERK 1 antibody ERK antibody ERK-1 antibody ERK1 antibody ERT 2 antibody ERT2 antibody Extracellular Signal Regulated Kinase 1 antibody Extracellular signal related kinase 1 antibody Extracellular signal-regulated kinase 1 antibody HGNC6877 antibody HS44KDAP antibody HUMKER1A antibody Insulin Stimulated MAP2 Kinase antibody Insulin-stimulated MAP2 kinase antibody MAP kinase 1 antibody MAP kinase 3 antibody MAP Kinase antibody MAP kinase isoform p44 antibody MAPK 1 antibody MAPK 3 antibody MAPK antibody MAPK1 antibody Mapk3 antibody MGC20180 antibody Microtubule Associated Protein 2 Kinase antibody Microtubule-associated protein 2 kinase antibody Mitogen Activated Protein Kinase 3 antibody Mitogen-activated protein kinase 1 antibody Mitogen-activated protein kinase 3 antibody MK03_HUMAN antibody OTTHUMP00000174538 antibody OTTHUMP00000174541 antibody p44 ERK1 antibody p44 MAPK antibody p44-ERK1 antibody p44-MAPK antibody P44ERK1 antibody P44MAPK antibody PRKM 3 antibody PRKM3 antibody Protein Kinase Mitogen Activated 3 antibody
Accession No.	Swiss-Prot#:P27361
Uniprot	P27361
GeneID	5595;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	43
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 ERK 1 and ERK 2 requires phosphorylation by upstream kinases such as MAP kinasekinase (MEK), MEK kinase and Raf-1. ERK 1 and ERK 2 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 ERK 1 gene maps to chromosome 16p12-p11.2 and encodes a 379 amino acid protein that shares 83% sequence identity to ERK 2.

Note: This product is for in vitro research use only