MAPK1/3 (Phospho-Tyr205/222) Conjugated Antibody

Catalog No: #C11825

Package Size: #C11825-AF350 100ul #C11825-AF405 100ul #C11825-AF488 100ul #C11825-AF555 100ul #C11825-AF594 100ul #C11825-AF647 100ul #C11825-AF680 100ul #C11825-AF750 100ul #C11825-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MAPK1/3 (Phospho-Tyr205/222) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of MAPK1/3 only when phosphorylated at tyrosine 205/222.
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 205/222(K-G-Y(p)-T-K) derived from Human MAPK1/3 .
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	ERK;ERT1;MAPK 1;MAPK2; ERK2
Accession No.	Swiss-Prot#: P28482/P27361NCBI Gene ID:5594/5595NCBI mRNA#:NM_002745.4. NCBI Protein#:NP_002736.3.
Uniprot	P28482
GeneID	5594;
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	44
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

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy using non-phosphopeptide.

Background

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. The activation of this kinase requires its phosphorylation by upstream kinases. Upon activation, this kinase translocates to the nucleus of the stimulated cells, where it phosphorylates nuclear targets. Two alternatively spliced transcript variants encoding the same protein, but differing in the UTRs, have been reported for this gene.

Note: This product is for in vitro research use only