Mst3 Conjugated Antibody

Catalog No: #C48317

Package Size: #C48317-AF350 100ul #C48317-AF405 100ul #C48317-AF488 100ul #C48317-AF555 100ul #C48317-AF594 100ul #C48317-AF647 100ul #C48317-AF680 100ul #C48317-AF750 100ul #C48317-Biotin 100ul

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

Description

Product Name	Mst3 Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Amino acids 275-393 of MST-3 of human origin.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	epididymis secretory protein Li 95 antibody HEL-S-95 antibody Mammalian STE20 like protein kinase 3 antibody Mammalian STE20-like protein kinase 3 antibody Mammalian STE20-like protein kinase 3 C-terminal antibody Mammalian STE20-like protein kinase 3 N-terminal antibody Mammalian sterile 20-like 3 antibody MST-3 antibody MST3/C antibody MST3/N antibody MST3B antibody serine threonine kinase 24 antibody Serine/threonine kinase 24 (Ste20, yeast homolog) antibody Serine/threonine-protein kinase 24 12 kDa subunit antibody Serine/threonine-protein kinase 24 antibody STE20 homolog yeast antibody STE20 like kinase MST3 antibody STE20-like kinase MST3 antibody Stk24 antibody STK24_HUMAN antibody STK3 antibody
Accession No.	Swiss-Prot#:Q9Y6E0
Uniprot	Q9Y6E0
GeneID	8428;
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	50/35 kDa
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

Sterile-20 (STE20) is a serine/threonine kinase in Saccharomyces cerevisiae that is involved in relaying signals from G protein-coupled receptors to cytosolic MAP kinase cascades. Mammalian protein kinases that display sequence similarity to STE20 are divided into two groups, the PAK subfamily and the GCK subfamily. The PAK subfamily members contain a C-terminal catalytic domain and an N-terminal regulatory domain with a p21Rac/Cdc42-binding site, and these kinases can activate both p38 MAPK and JNK. The GCK subfamily members contain a C-terminal regulatory domain and an N-terminal catalytic domain, and they have diverse roles in many pathways, including the activation of ERK, JNK, p38 MAPK, and caspase-3. The mammalian STE20-like kinases (MST kinases, also known as Ksr proteins) are members of the GCK subfamily. Ksr-1 and Ksr-2 (also known as MST-2 and MST-1, respectively) are both direct substrates of caspase-3 that accelerate caspase-3 activation. MST-3 is ubiquitously expressed in mammalian tissue and can phosphorylate exogenous substrates as well as itself. MST-4 is highly expressed in placenta, thymus, and peripheral blood leukocytes, and it specifically activates ERK.

Note: This product is for in vitro research use only