

Immunotag™ MST3 Antibody

Antibody Specification	
Catalog No.	ITA2622
Product Description	Immunotag™ MST3 Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	MST3
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human MST3
Specificity	MST3 Antibody detects endogenous levels of MST3
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	STK24
Accession No.	Q9Y6E0

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Alternate Names	epididymis secretory protein Li 95; HEL-S-95; Mammalian STE20 like protein kinase 3; Mammalian STE20-like protein kinase 3; Mammalian STE20-like protein kinase 3 C-terminal; Mammalian STE20-like protein kinase 3 N-terminal; Mammalian sterile 20-like 3; MST-3; MST3/C; MST3/N; MST3B; serine threonine kinase 24; Serine/threonine kinase 24 (Ste20, yeast homolog); Serine/threonine-protein kinase 24 12 kDa subunit; Serine/threonine-protein kinase 24; STE20 homolog yeast; STE20 like kinase MST3; STE20-like kinase MST3; Stk24; STK24_HUMAN; STK3;
Description	Serine/threonine-protein kinase that acts on both serine and threonine residues and promotes apoptosis in response to stress stimuli and caspase activation. Mediates oxidative-stress-induced cell death by modulating phosphorylation of JNK1-JNK2 (MAPK8 and MAPK9), p38 (MAPK11, MAPK12, MAPK13 and MAPK14) during oxidative stress. Plays a role in a staurosporine-induced caspase-independent apoptotic pathway by regulating the nuclear translocation of AIFM1 and ENDOG and the DNase activity associated with ENDOG. Phosphorylates STK38L on 'Thr-442' and stimulates its kinase activity. In association with STK26 negatively regulates Golgi reorientation in polarized cell migration upon RHO activation (PubMed:27807006). Regulates also cellular migration with alteration of PTPN12 activity and PXN phosphorylation: phosphorylates PTPN12 and inhibits its activity and may regulate PXN phosphorylation through PTPN12. May act as a key regulator of axon regeneration in the optic nerve and radial nerve.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	50KD
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.