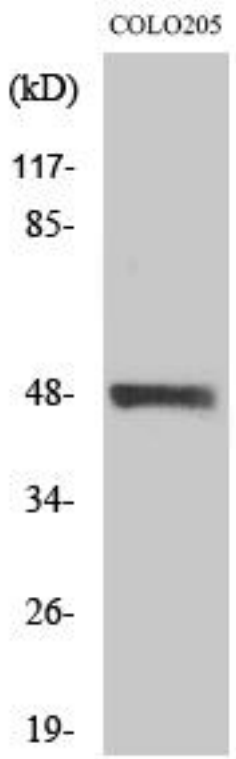
MST-3 Monoclonal Antibody

Catalog No	BYmab-14866
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	STK24
Protein Name	Serine/threonine-protein kinase 24
Immunogen	The antiserum was produced against synthesized peptide derived from human STK24. AA range:319-368
Specificity	MST-3 Monoclonal Antibody detects endogenous levels of MST-3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	STK24; MST3; STK3; Serine/threonine-protein kinase 24; Mammalian STE20-like protein kinase 3; MST-3; STE20-like kinase MST3
Observed Band	50kD
Cell Pathway	Cytoplasm. Nucleus. Membrane. The truncated form (MST3/N) translocates to the nucleus. Colocalizes with STK38L in the membrane.
Tissue Specificity	Isoform A is ubiquitous. Isoform B is expressed in brain with high expression in hippocampus and cerebral cortex.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Manganese. Only isoform A requires manganese.,function:Protein kinase that act on both serine and threonine residues.,PTM:Autophosphorylated. Isoform B is activated by phosphorylation by PKA.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Isoform A is ubiquitous. Isoform B is expressed in brain with high expression in hippocampus and cerebral cortex.,
Background	This gene encodes a serine/threonine protein kinase that functions upstream of mitogen-activated protein kinase (MAPK) signaling. The encoded protein is

	cleaved into two chains by caspases; the N-terminal fragment (MST3/N) translocates to the nucleus and promotes programmed cells death. There is a pseudogene for this gene on chromosome X. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MST-3 Monoclonal Antibody