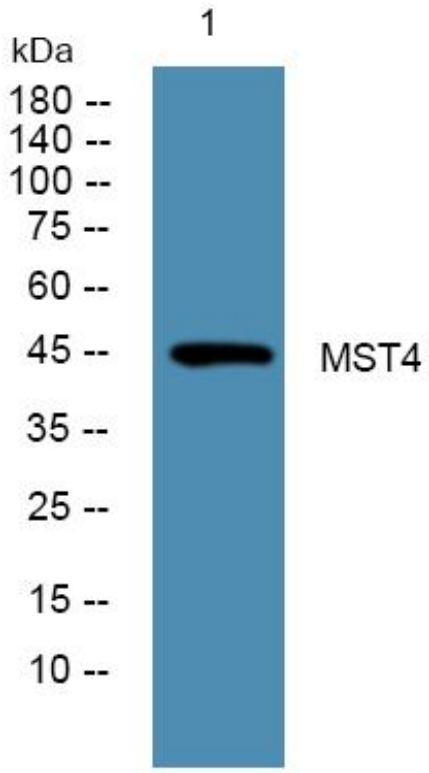
MST4 Monoclonal Antibody

Catalog No	YP-mAb-06130
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	MST4 MASK
Protein Name	Serine/threonine-protein kinase MST4 (EC 2.7.11.1) (Mammalian STE20-like protein kinase 4) (MST-4) (Mst3 and SOK1-related kinase) (STE20-like kinase MST4) (Serine/threonine-protein kinase MASK)
Immunogen	Synthesized peptide derived from human protein . at AA range: 320-400
Specificity	MST4 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 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 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	45kD
Cell Pathway	Cytoplasm . Golgi apparatus . Colocalized with RIPOR1 in the Golgi of serum-starved cells and relocated to cytoplasmic punctae, probably vesicular compartments, along with RIPOR1 upon serum stimulation in a Rho- and PDCD10-dependent manner (PubMed:27807006). .
Tissue Specificity	Fetal brain,PCR rescued clones,Placenta,
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Interaction with Golgi matrix protein GOLGA2 leads to autophosphorylation on Thr-178, possibly as a consequence of stabilization of dimer formation. May also be activated by C-terminal cleavage.,function:Potential mediator of cell growth. Pro-apoptotic.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Localizes to the Golgi apparatus.,subunit:Homodimer.,
Background	The product of this gene is a member of the GCK group III family of kinases, which are a subset of the Ste20-like kinases. The encoded protein contains an amino-terminal kinase domain, and a carboxy-terminal regulatory domain that

	mediates homodimerization. The protein kinase localizes to the Golgi apparatus and is specifically activated by binding to the Golgi matrix protein GM130. It is also cleaved by caspase-3 in vitro, and may function in the apoptotic pathway. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008],
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 MST4 Monoclonal Antibody