



MAST205 Polyclonal Antibody

Catalog No	YP-Ab-14827
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IHC;IF;ELISA
Gene Name	MAST2
Protein Name	Microtubule-associated serine/threonine-protein kinase 2
Immunogen	The antiserum was produced against synthesized peptide derived from human MAST2. AA range:1201-1250
Specificity	MAST205 Polyclonal Antibody detects endogenous levels of MAST205 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MAST2; KIAA0807; MAST205; Microtubule-associated serine/threonine-protein kinase 2
Observed Band	196kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Recruited to the sub-membranous area on interaction with CDHR2.
Tissue Specificity	Abundant in the testis.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,function:Appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins. Phosphorylation of DMD or UTRN may modulate their affinities for associated proteins. Functions in a multi-protein complex in spermatid maturation. Regulates lipopolysaccharide-induced IL-12 synthesis in macrophages by forming a complex with TRAF6, resulting in the inhibition of TRAF6 NF-kappa-B activation.,PTM:Phosphorylated and ubiquitinated. N-terminal ubiquitination leads to degradation of MAST2 by proteasome-mediated proteolysis. N-terminal phosphorylation appears to be a prerequisite for ubiquitination.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1



PDZ (DHR) domain.,similarity:Contain

Background

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matters needing attention

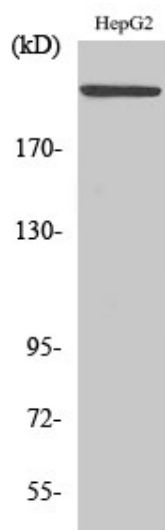
Avoid repeated freezing and thawing!

Usage suggestions

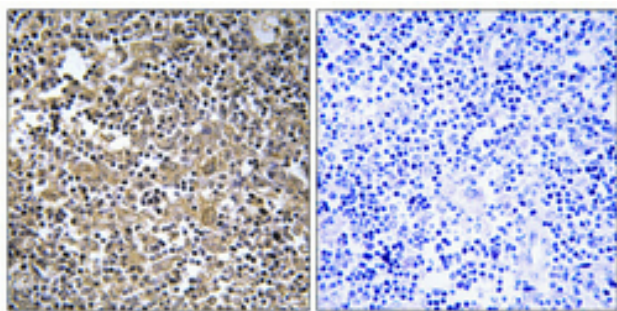
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



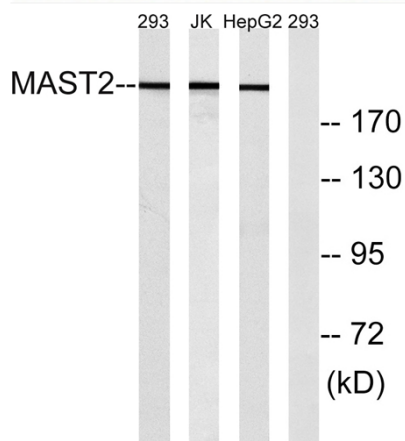
Products Images



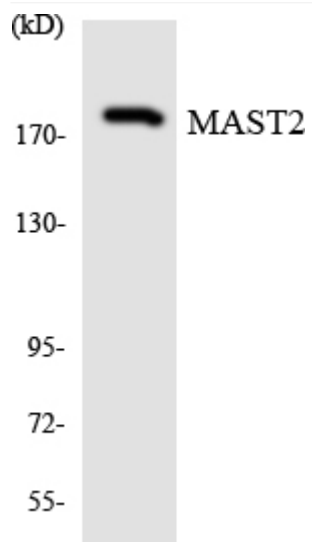
Western Blot analysis of various cells using MAST205 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100 (4° overnight). High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from Jurkat, 293, and HepG2 cells, using MAST2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using MAST2 antibody.