ELK Biotechnology

MAST205 rabbit pAb

Cat No.:ES2749

For research use only

Overview

Product Name	MAST205 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	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.
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.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Microtubule-associated serine/threonine-protein kinase 2
Gene Name	MAST2
Cellular localization	Cytoplasm, cytoskeleton . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Recruited to the sub-membranous area on interaction with CDHR2.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	196kD
Human Gene ID	23139
Human Swiss-Prot Number	Q6P0Q8
Alternative Names	MAST2; KIAA0807; MAST205; Microtubule-associated serine/threonine-protein kinase 2
Background	catalytic activity:ATP + a protein = ADP + a

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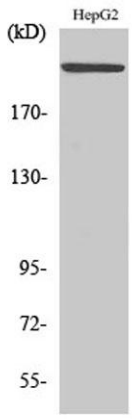
phosphoprotein.,cofactor:Magnesium.,function:Appears to link the dystrophin/utrophin network with microtubule filaments via the syntrophins. Phosphorylation of DMD or UTRN may modulate their affinities for associated proteins. Functions in a multi-protein complex in spermatid maturation. Regulates lipopolysaccharide-induced 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:Contains 1 protein kinase domain.,subcellular location:Recruited to the sub-membranous area on interaction with PC-LKC.,tissue specificity:Abundant in the testis.,



Western Blot analysis of various cells using MAST205 Polyclonal Antibody

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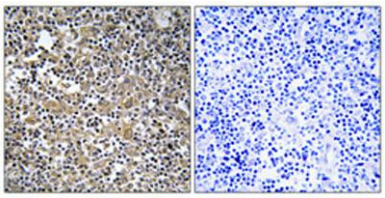
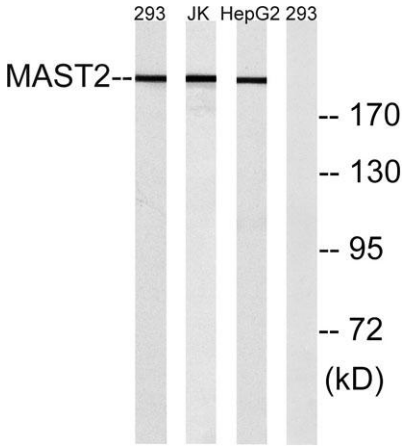
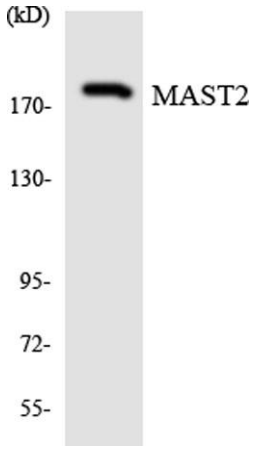


Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



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.

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