

**MAST205 Polyclonal Antibody**

<b>Catalog No :</b>	YT2658
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	MAST205
<b>Gene Name :</b>	MAST2
<b>Protein Name :</b>	Microtubule-associated serine/threonine-protein kinase 2
<b>Human Gene Id :</b>	23139
<b>Human Swiss Prot No :</b>	Q6P0Q8
<b>Mouse Gene Id :</b>	17776
<b>Mouse Swiss Prot No :</b>	Q60592
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human MAST2. AA range:1201-1250
<b>Specificity :</b>	MAST205 Polyclonal Antibody detects endogenous levels of MAST205 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 196kD

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**Background :** 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:Contains 1 protein kinase domain.,subcellular location:Recruited to the sub-membranous area on interaction with PC-LKC.,tissue specificity:Abundant in the testis.,

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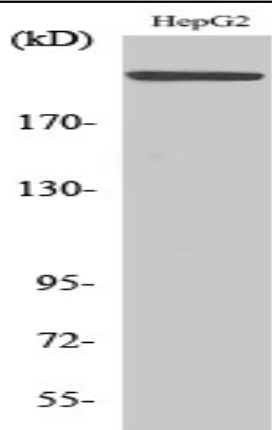
**Subcellular Location :** Cytoplasm, cytoskeleton . Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Recruited to the sub-membranous area on interaction with CDHR2.

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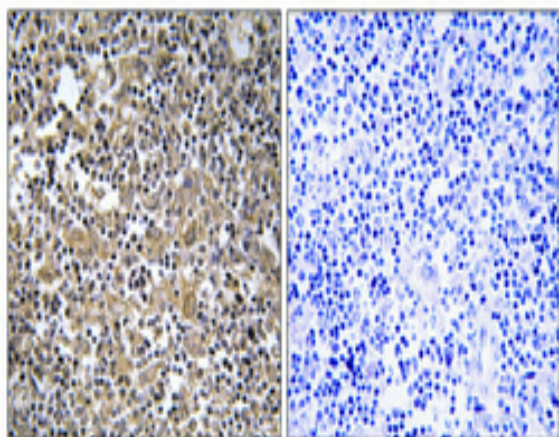
**Expression :** Abundant in the testis.

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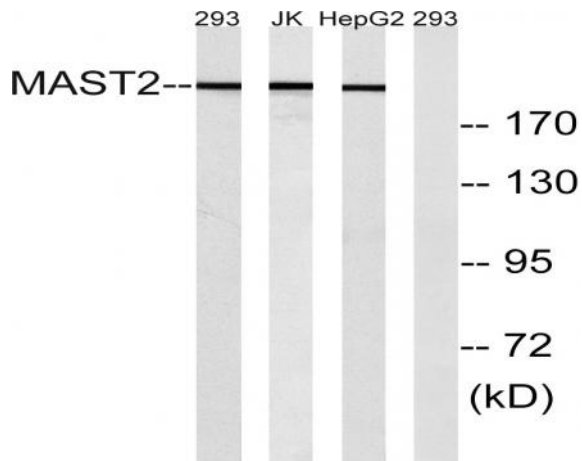
## Products Images



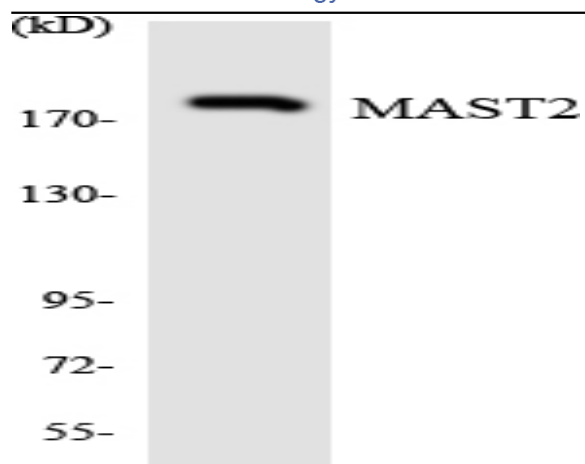
Western Blot analysis of various cells using MAST205 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (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.