

**MASTL Polyclonal Antibody**

<b>Catalog No :</b>	YT2661
<b>Reactivity :</b>	Human;Rat;Mouse;
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	THC2
<b>Gene Name :</b>	MASTL
<b>Protein Name :</b>	Serine/threonine-protein kinase greatwall
<b>Human Gene Id :</b>	84930
<b>Human Swiss Prot No :</b>	Q96GX5
<b>Mouse Swiss Prot No :</b>	Q8C0P0
<b>Immunogen :</b>	Synthesized peptide derived from the C-terminal region of human MASTL.
<b>Specificity :</b>	MASTL Polyclonal Antibody detects endogenous levels of MASTL 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. 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)
<b>Observed Band :</b>	100kD

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<b>Background :</b>	This gene encodes a microtubule-associated serine/threonine kinase. Mutations at this locus have been associated with autosomal dominant thrombocytopenia, also known as thrombocytopenia-2. Alternatively spliced transcript variants have been described for this locus. [provided by RefSeq, Feb 2010],
<b>Function :</b>	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,disease:Defects in MASTL are the cause of thrombocytopenia type 2 (THC2) [MIM:188000]. Thrombocytopenia is defined by a decrease in the number of platelets in circulating blood, resulting in the potential for increased bleeding and decreased ability for clotting.,function:Putative serine/threonine kinase which may be involved in megakaryocyte differentiation.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,
<b>Subcellular Location :</b>	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome . Nucleus . Cleavage furrow . During interphase is mainly nuclear, upon nuclear envelope breakdown localizes at the cytoplasm and during mitosis at the centrosomes. Upon mitotic exit moves to the cleavage furrow. .
<b>Expression :</b>	Epithelium,Placenta,
<b>Sort :</b>	9417
<b>No4 :</b>	1
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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