

MASTL Polyclonal Antibody

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| Catalog No : | YT2661 |
| Reactivity : | Human;Mouse |
| Applications : | WB;ELISA |
| Target : | THC2 |
| Gene Name : | MASTL |
| Protein Name : | Serine/threonine-protein kinase greatwall |
| Human Gene Id : | 84930 |
| Human Swiss Prot No : | Q96GX5 |
| Mouse Swiss Prot No : | Q8C0P0 |
| Immunogen : | Synthesized peptide derived from the C-terminal region of human MASTL. |
| Specificity : | MASTL Polyclonal Antibody detects endogenous levels of MASTL protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500 - 1:2000. ELISA: 1:40000. Not yet tested in other applications. |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Observed Band : | 100kD |

Background : 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],

Function : 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.,

Subcellular Location : 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. .

Expression : Epithelium,Placenta,

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