

THC2 Polyclonal Antibody

Catalog No: YT4642

Reactivity: Human; Mouse

Applications: WB;IHC;IF;ELISA

Target: THC2

Gene Name: MASTL

Protein Name: Serine/threonine-protein kinase greatwall

Q96GX5

Q8C0P0

Human Gene Id: 84930

Human Swiss Prot

No:

Mouse Gene ld: 67121

Mouse Swiss Prot

No:

Immunogen: The antiserum was produced against synthesized peptide derived from human

MASTL. AA range:821-870

Specificity: THC2 Polyclonal Antibody detects endogenous levels of THC2 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. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

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)

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Observed Band:

97kD

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.,

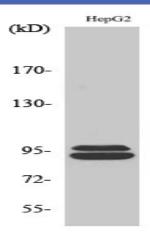
Subcellular Location:

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.

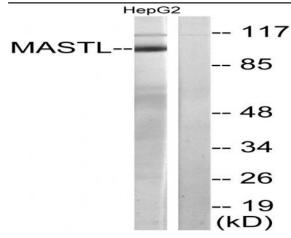
Expression:

Epithelium, Placenta,

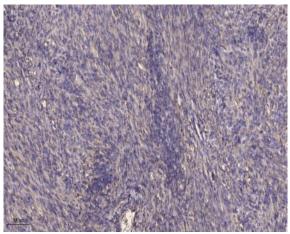
Products Images



Western Blot analysis of various cells using THC2 Polyclonal Antibody



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



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).