

## 微管相关丝氨酸/苏氨酸激 2 抗体

产品货号： mlR18687

英文名称： MAST2

中文名称： 微管相关丝氨酸/苏氨酸激 2 抗体

别名： EC 2.7.11.1 3; FLJ39200; KIAA0807; MAST 2; MAST 205; Mast2; MAST2\_HUMAN; Microtubule associated serine/threonine kinase 2; Microtubule associated testis specific serine/threonine protein kinase; Microtubule-associated serine/threonine-protein kinase 2; MTSSK; OTTHUMP00000009697 2; OTTHUMP00000046616; RP4 533D7.1; RP4-533D7.1 2.

研究领域： 细胞生物 信号转导 激酶和磷酸酶 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Cow, Horse, Sheep,

产品应用： IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 196kDa

细胞定位： 细胞浆

性状： Lyophilized or Liquid

浓度： 1mg/ml

**免 疫 原：** KLH conjugated synthetic peptide derived from human MAST2:821-920/1790

**亚 型：** IgG

**纯化方法：** affinity purified by Protein A

**储 存 液：** 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

**保存条件：** Store at -20 ℃ for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20℃. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ℃.

**PubMed：** PubMed

**产品介绍** MAST205 is a testis-specific, cytoplasmic protein that functions in a multi-protein complex in the maturation of spermatids. MAST205 is involved in linking the dystrophin/utrophin network with microtubule filaments via Syntrophin. By forming a complex with TRAF6, MAST205 regulates lipopolysaccharide-induced IL-12 synthesis in macrophages. This leads to the inhibition of TRAF6 NF- $\kappa$ B activation. Two isoforms exist for MAST205 due to alternative splicing. Isoform 1 represents the full length protein, while isoform 2 lacks the residues 327-396 and 1091-1113. The N-terminus of MAST205 must be phosphorylated in order for ubiquitination to occur at the same site. This ubiquitination leads to the degradation of MAST205 via proteasome-mediated proteolysis.

**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

**Subunit:**

Interacts with CDHR2.

**Tissue Specificity:**

Abundant in the testis.

**Post-translational modifications:**

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.

Contains 1 AGC-kinase C-terminal domain.

Contains 1 PDZ (DHR) domain.

Contains 1 protein kinase domain.

**SWISS:**

Q6P0Q8

**Gene ID:**

23139

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

