

Anti-MAST2 Antibody

Catalog # AP51331

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q6P0Q8
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	196436

Additional Information

Gene ID	23139
Other Names	KIAA0807; MAST205; Microtubule-associated serine/threonine-protein kinase 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human MAST2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

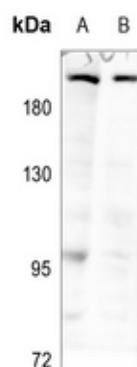
Protein Information

Name	MAST2 {ECO:0000312 EMBL:CAH73245.1}
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 (By similarity).
Cellular Location	Cytoplasm, cytoskeleton. Cell membrane; Peripheral membrane protein; Cytoplasmic side Note=Recruited to the sub-membranous area on interaction with CDHR2
Tissue Location	Abundant in the testis.

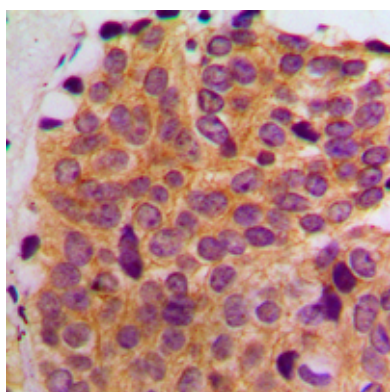
References

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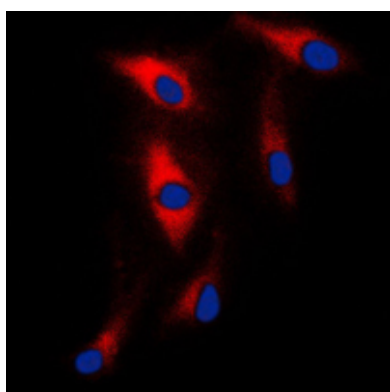
Images



Western blot analysis of MAST2 expression in HEK293T (A), A549 (B) whole cell lysates. (Predicted band size: 196 kD; Observed band size: 205 kD)



Immunohistochemical analysis of MAST2 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MAST2 staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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