

Anti-MAST3 Antibody

Catalog # AP51332

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O60307
Reactivity	Human, Mouse, Rat, Pig, Bovine, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	143137

Additional Information

Gene ID	23031
Other Names	KIAA0561; Microtubule-associated serine/threonine-protein kinase 3
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human MAST3. The exact sequence is proprietary.
Dilution	WB~~ 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

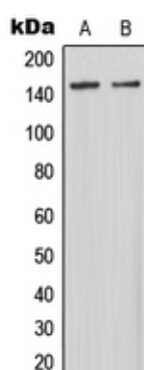
Protein Information

Name	MAST3 (HGNC:19036)
Synonyms	KIAA0561
Function	Serine/threonine kinase that phosphorylates ARPP19 at 'Ser- 62', resulting in protein phosphatase 2A (PP2A) inhibition by ARPP19.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:Q3U214}.

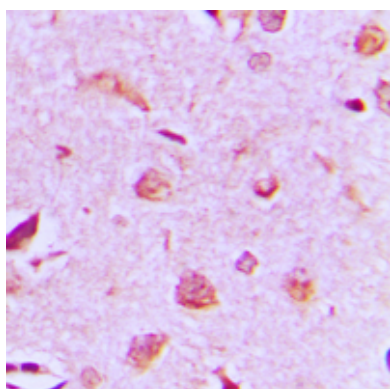
References

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Dephoure N.,et al.Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
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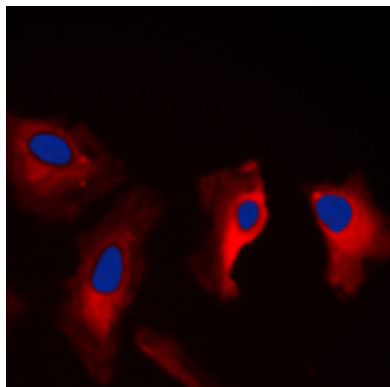
Images



Western blot analysis of MAST3 expression in HepG2 (A), rat kidney (B) whole cell lysates. (Predicted band size: 143 kD; Observed band size: 143 kD)



Immunohistochemical analysis of MAST3 staining in human brain 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 MAST3 staining in HepG2 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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