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Anti-MAST4 Antibody

Catalog # AP51333

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O15021
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	284097

Additional Information

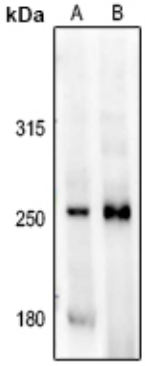
Gene ID	375449
Other Names	KIAA0303; Microtubule-associated serine/threonine-protein kinase 4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MAST4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
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

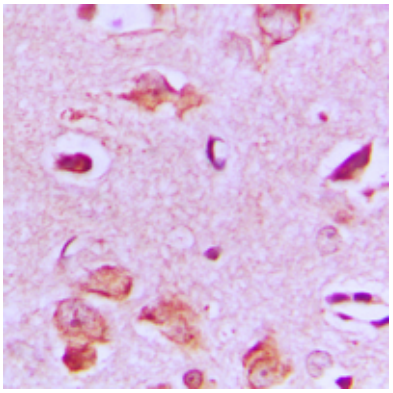
Protein Information

Name	MAST4 (HGNC:19037)
Cellular Location	Cytoplasm.
Tissue Location	Highly expressed in most normal human tissues, with an exception of in testis, small intestine, colon and peripheral blood leukocyte.

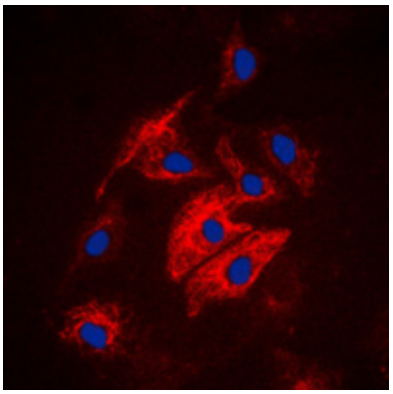
Images

Western blot analysis of MAST4 expression in EC9706 (A), A375 (B) whole cell lysates. (Predicted band size: 284 kD; Observed band size: 266 kD)





Immunohistochemical analysis of MAST4 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 MAST4 staining in HuvEc 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.