MAST4 Polyclonal Antibody | anti-MAST4 antibody

Anti-MAST4 Antibody

CATALOG #	REACTIVITY	APPLICATIONS
AAA17840	**Human, Mouse, Rat, Chicken**	**Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, Immunoprecipitation**

PRODUCT SYNONYMS

MAST4; Polyclonal Antibody; Anti-MAST4 Antibody; KIAA0303; Microtubule-associated serine/threonine-protein kinase 4; anti-MAST4 antibody

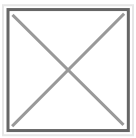
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat, Chicken
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of MAST4 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	2417
Applicable Applications for anti-MAST4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), IP (Immunoprecipitation)
Application Notes	WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/ICC (1/100 - 1/500), IP (1/10 - 1/100)
Source	Rabbit
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human MAST4.The exact sequence is proprietary.
Preparation and Storage	Upon receipt aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
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).

IHC (Immunohistochemistry)
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.



WB (Western Blot)
Western blot analysis of MAST4 expression in HeLa (A), HuvEc (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-MAST4 antibody	Rabbit Polyclonal antibody to MAST4

NCBI AND UNIPROT INFORMATION

NCBI GI #	589811546
NCBI GeneID	375449
NCBI Accession #	NP_001277155.1
NCBI GenBank Nucleotide #	NM_001290226.1
UniProt Accession #	O15021; Q05EE6; Q6ZN07; Q8N4X4; Q96LY3; A6NL49; B5ME48
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 4 isoform d
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase family member 4
NCBI Official Symbol	MAST4
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 4
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 4
UniProt Gene Name	**MAST4**
UniProt Synonym Gene Names	KIAA0303
UniProt Entry Name	MAST4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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