MAST4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAST4, Polyclonal Antibody
Full Product Name	MAST4 Conjugated Antibody
Product Gene Name	anti-MAST4 antibody
Product Synonym Names	EC 2.7.11.1; KIAA0303; microtubule-associated serine/threonine-protein kinase 4
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total MAST4 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	284,378 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (65892176..66465423). Location: 5q12.3
3D Structure	ModBase 3D Structure for O15021
Immunogen	Synthesized peptide derived from internal of human MAST4.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-MAST4 antibody	Most Applications
Application Notes for anti-MAST4 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-MAST4 antibody	This gene encodes a member of the microtubule-associated serine/threonine protein kinases. The proteins in this family contain a domain that gives the kinase the ability to determine its own scaffold to control the effects of their kinase activities. Alternative splicing results in multiple transcript variants encoding different isoforms.
Other Notes	Small volumes of anti-MAST4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MAST4 purchase	MBS9444510 is an antibody targeting MAST4. Also known as MAST4 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MAST4. It may not necessarily be applicable to this product.

NCBI GI #	148727255
NCBI GeneID	375449
NCBI Accession #	NP_055998.1
UniProt Primary Accession #	O15021
UniProt Secondary Accession #	Q05EE6; Q6ZN07; Q8N4X4; Q96LY3; A6NL49; B5ME48
UniProt Related Accession #	O15021
GenBank Nucleotide #	NM_015183.2
NCBI Official Full Name	microtubule-associated serine/threonine-protein kinase 4 isoform a
NCBI Official Synonym Full Names	microtubule associated serine/threonine kinase family member 4
NCBI Official Symbol	MAST4
UniProt Protein Name	Microtubule-associated serine/threonine-protein kinase 4
Protein Family	Microtubule-associated serine/threonine-protein kinase
UniProt Gene Name	MAST4
UniProt Synonym Gene Names	KIAA0303
UniProt Entry Name	MAST4_HUMAN
NCBI Protein Information	microtubule-associated serine/threonine-protein kinase 4
UniProt Comments for MAST4	MAST4: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. 5 isoforms of the human protein are produced by alternative splicing. Protein type: Protein kinase, AGC; Protein kinase, Ser/Thr (non-receptor); EC 2.7.11.1; Kinase, protein; AGC group; MAST family Chromosomal Location of Human Ortholog: 5q12.3 Cellular Component: cytoplasm Molecular Function: protein serine/threonine kinase activity; magnesium ion binding; ATP binding Biological Process: protein amino acid phosphorylation
Research Articles on MAST4	**1.** A protein encoded by this locus was found to be differentially expressed in postmortem brains from patients with atypical frontotemporal lobar degeneration.
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