MAST4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MAST4, Polyclonal Antibody
Full Product Name	MAST4 Antibody
Product Gene Name	anti-MAST4 antibody
Product Synonym Names	MAST4; KIAA0303; Microtubule-associated serine/threonine-protein kinase 4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid; In Phosphate Buffered Saline, 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
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 the N-terminal region of human MAST4.
Immunogen Species	Human
Conjugate	Non-conjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-MAST4 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA (EIA)
Application Notes for anti-MAST4 antibody	WB: 1:500-1:2000 IHC: 1:100-1:300 IF: 1:200-1:1000 ELISA: 1:5000
Related Product Information for anti-MAST4 antibody	MBS7121498 is an antibody targeting MAST4. Also known as MAST4 Antibody. Reactive in Human, Mouse. Host: Rabbit.
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.

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
NCBI Summary for MAST4	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. [provided by RefSeq, Mar 2014]
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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