
Product Name: MAST4 Rabbit Polyclonal Antibody**Catalog #: APRab13663**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000
Molecular Weight	36kDa

Antigen Information

Gene Name	MAST4
Alternative Names	MAST4; KIAA0303; Microtubule-associated serine/threonine-protein kinase 4
Gene ID	375449.0
SwissProt ID	O15021
Immunogen	The antiserum was produced against synthesized peptide derived from human MAST4. AA range:251-300

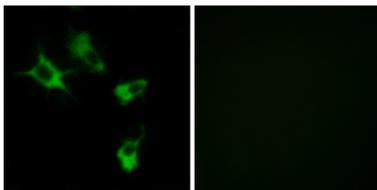
Background

This gene encodes a member of the microtubule-associated serine/threonine protein kinases. The proteins in this family

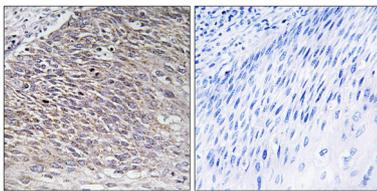
contain a domain that gives the kinase the ability to determine its own scaffold to control the effects of their kinase activities. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2014], catalytic activity: ATP + a protein = ADP + a phosphoprotein., caution: The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data., cofactor: Magnesium., PTM: Phosphorylated upon DNA damage, probably by ATM or ATR., similarity: Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family., similarity: Contains 1 AGC-kinase C-terminal domain., similarity: Contains 1 PDZ (DHR) domain., similarity: Contains 1 protein kinase domain., tissue specificity: Highly expressed in most normal human tissues, with an exception of in testis, small intestine, colon and peripheral blood leukocyte.,

Research Area

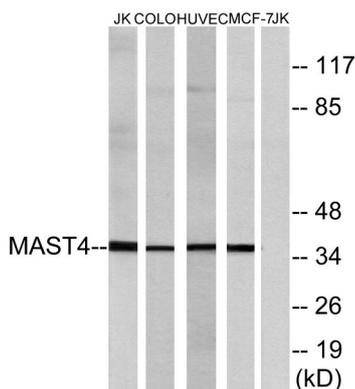
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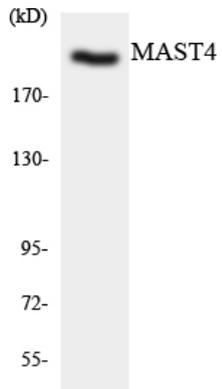
Immunofluorescence analysis of COS7 cells, using MAST4 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human testis tissue, using MAST4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, COLO, HUVEC, and MCF-7 cells, using MAST4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HT-29 cells using MAST4 antibody.