10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

MARK2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MARK2.
Catalog # AT2804a

Product Information

Application	WB, E
Primary Accession	Q7KZI7
Other Accession	BC008771
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3B12
Calculated MW	87911

Additional Information

Gene ID	2011
Other Names	Serine/threonine-protein kinase MARK2, ELKL motif kinase 1, EMK-1, MAP/microtubule affinity-regulating kinase 2, PAR1 homolog, PAR1 homolog b, Par-1b, Par1b, MARK2 {ECO:0000312|EMBL:AAH087712}, EMK1
Target/Specificity	MARK2 (AAH08771, 401 a.a. ~ 500 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	MARK2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

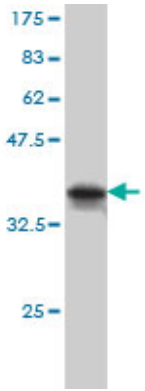
Background

This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associating proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene.

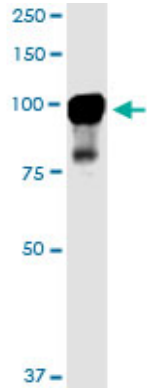
References

1.Pancreatic LKB1 deletion leads to acinar polarity defects and cystic neoplasms.Hezel AF, Gurumurthy S, Granot Z, Swisa A, Chu GC, Bailey G, Dor Y, Bardeesy N, Depinho RA.Mol Cell Biol. 2008 Apr;28(7):2414-25. Epub 2008 Jan 28.

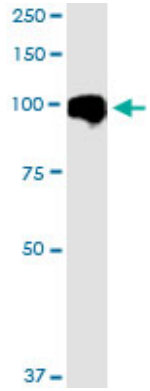
Images



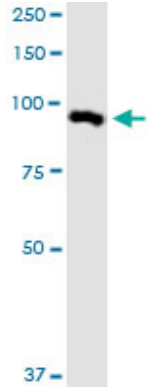
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .



MARK2 monoclonal antibody (M01), clone 3B12. Western Blot analysis of MARK2 expression in PC-12.

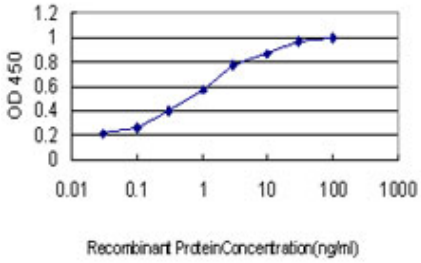


MARK2 monoclonal antibody (M01), clone 3B12. Western Blot analysis of MARK2 expression in A-431.



MARK2 monoclonal antibody (M01), clone 3B12. Western Blot analysis of MARK2 expression in NIH/3T3.

Detection limit for recombinant GST tagged MARK2 is



approximately 0.03ng/ml as a capture antibody.

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