

**MARK2 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant MARK2.

Catalog # AT2804a

**Specification**

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**MARK2 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O7KZ17</a>
Other Accession	<a href="#">BC008771</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	87911

**MARK2 Antibody (monoclonal) (M01) - 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

**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.

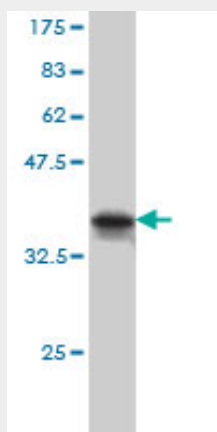
**MARK2 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

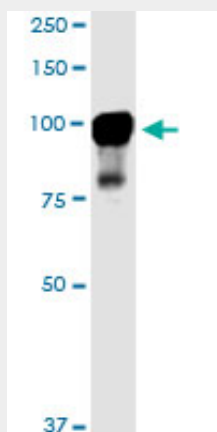
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

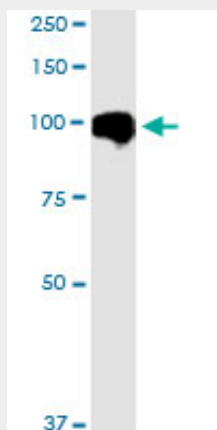
### MARK2 Antibody (monoclonal) (M01) - Images



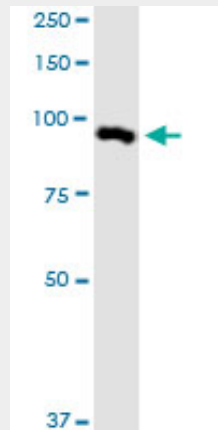
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .



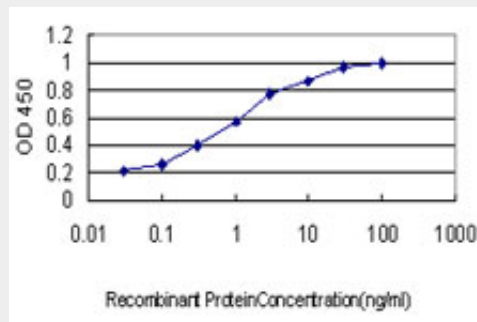
MARK2 monoclonal antibody (M01), clone 3B12. Western Blot analysis of MARK2 expression in PC-12.



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.

### **MARK2 Antibody (monoclonal) (M01) - 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.

### **MARK2 Antibody (monoclonal) (M01) - 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.