

**Product Name: HSP90AB1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81002**



## Summary

|                        |                                    |
|------------------------|------------------------------------|
| <b>Production Name</b> | HSP90AB1 Mouse Monoclonal Antibody |
| <b>Description</b>     | Mouse Monoclonal Antibody          |
| <b>Host</b>            | Mouse                              |
| <b>Application</b>     | WB,IHC,ICC,FC,ELISA                |
| <b>Reactivity</b>      | Human,Mouse,Rat,Monkey             |

## Performance

|                     |                                                                                          |
|---------------------|------------------------------------------------------------------------------------------|
| <b>Conjugation</b>  | Unconjugated                                                                             |
| <b>Modification</b> | Unmodified                                                                               |
| <b>Isotype</b>      | Mouse IgG1                                                                               |
| <b>Clonality</b>    | Monoclonal                                                                               |
| <b>Form</b>         | Liquid                                                                                   |
| <b>Storage</b>      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| <b>Buffer</b>       | Purified antibody in PBS with 0.05% sodium azide.                                        |
| <b>Purification</b> | Affinity Purification                                                                    |

## Immunogen

|                          |                                                                              |
|--------------------------|------------------------------------------------------------------------------|
| <b>Gene Name</b>         | HSP90AB1                                                                     |
| <b>Alternative Names</b> | HSPC2; HSPCB; D6S182; HSP90B; FLJ26984; HSP90-BETA                           |
| <b>Gene ID</b>           | 3326.0                                                                       |
| <b>SwissProt ID</b>      | P08238.Purified recombinant fragment of human HSP90AB1 expressed in E. Coli. |

## Application

|                         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB:1:500-1:2000,IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000 |
| <b>Molecular Weight</b> | 84kDa                                                                          |

## Background

HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding,

**Product Name: HSP90AB1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81002**

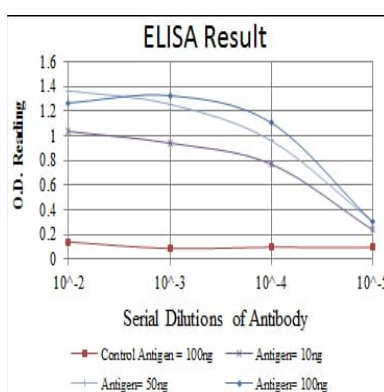


protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. There are 2 major cytosolic HSP90 proteins, HSP90AA1 (MIM 140571), an inducible form, and HSP90AB1, a constitutive form.

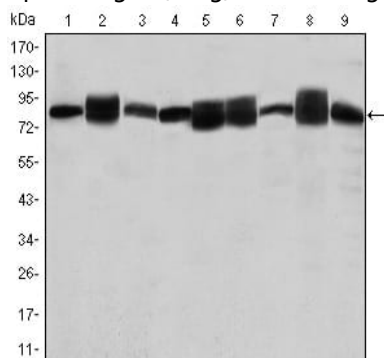
## Research Area

PI3K-Akt signaling pathway

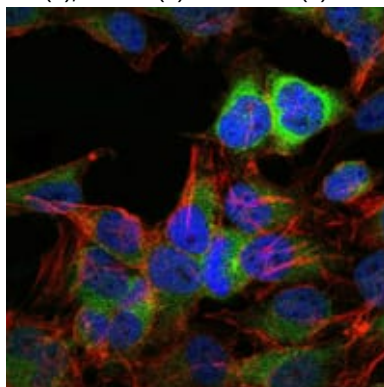
## Image Data



Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



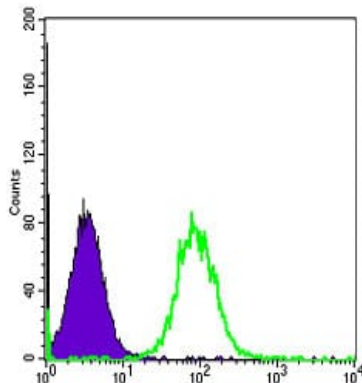
Western blot analysis using HSP90AB1 mouse mAb against Jurkat (1), A431 (2), HeLa (3), A549 (4), HEK293 (5), K562 (6), NIH/3T3 (7), PC-12 (8) and Cos7 (9) cell lysate.



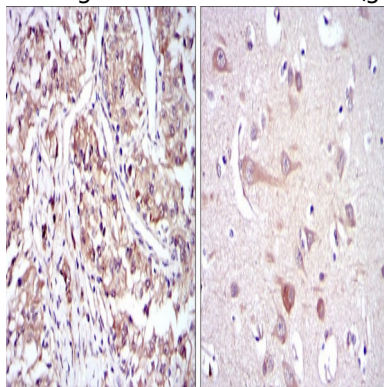
**Product Name: HSP90AB1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81002**



Immunofluorescence analysis of Hela cells using HSP90AB1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of Hela cells using HSP90AB1 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human kidney cancer tissues (left) and brain tissues (right) using HSP90AB1 mouse mAb with DAB staining.

## Note

For research use only.