

# MPHOSPH6 (36-Y): sc-81846

## BACKGROUND

Progression of cells from interphase to mitosis involves alterations in cell structures and activities. The transition from G<sub>2</sub> to M phase is induced by M phase-promoting factor (MPF). In M phase, many proteins are phosphorylated directly by MPF or indirectly by kinases activated by MPF. These M phase phosphoproteins (MPPs), also known as MPHOSPHs, permit disassembly of interphase structures and generation of M phase enzymatic activities and structures. MPP6 (M phase phosphoprotein 6) is a 160 amino acid protein encoded by the human gene MPHOSP6. MPP6, a member of the MPP family, contains one nuclear localization signal motif.

## REFERENCES

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## CHROMOSOMAL LOCATION

Genetic locus: MPHOSPH6 (human) mapping to 16q23.3.

## SOURCE

MPHOSPH6 (36-Y) is a mouse monoclonal antibody raised against recombinant MPHOSPH6 of human origin.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## STORAGE

Store at 4° C, **\*\*DO NOT FREEZE\*\***. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

## RESEARCH USE

For research use only, not for use in diagnostic procedures.

## APPLICATIONS

MPHOSPH6 (36-Y) is recommended for detection of MPHOSPH6 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)] and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Suitable for use as control antibody for MPHOSPH6 siRNA (h): sc-62635, MPHOSPH6 shRNA Plasmid (h): sc-62635-SH and MPHOSPH6 shRNA (h) Lentiviral Particles: sc-62635-V.

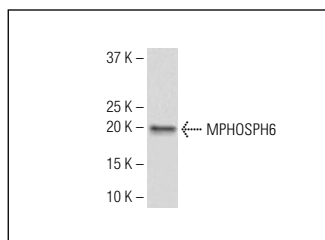
Molecular Weight of MPHOSPH6: 19 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200.

## RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended: 1) Western Blotting: use m-IgGκ BP-HRP: sc-516102 or m-IgGκ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml).

## DATA



MPHOSPH6 (36-Y): sc-81846. Western blot analysis of MPHOSPH6 expression in HeLa whole cell lysate.

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.