

## Mouse Monoclonal Antibody to

# shc/p66 (N-terminus)

## clone 24E4

**Order No.:** 0180-100/shc/p66-24E4  
**Size (µg)** 100  
**Lot No.:** 0180S



02/230207F

Isotype	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope	Immunogen
IgG1	human, mouse, rat, dog	WB	66 kDa	Neuro 2A	N-terminus	peptide conjugated to hemocyanin

### Background and Specificity:

Mammalian cells can express three alternatively spliced isoforms of the shc adaptor protein: shc/p46, shc/p52 and shc/p66. shc/p66 contains a unique N-terminal protein domain. In addition to tyrosine phosphorylation of Tyr 239/240 and/or Tyr 317, shc/p66 is phosphorylated at serine 36, e.g. in response to EGF. Serine phosphorylation of shc/p66 impairs its ability to bind to the activated EGF receptor thus inhibiting EGF receptor downstream signalling pathways.

**Mab shc/p66-24E4** specifically recognizes the N- terminus of shc/p66.

### Related Products

#### mab to shc (C-terminus)

#0151-100/shc-11F6

#### mab to shc (phospho-Tyr239/240)

#0093-100/shc-1E3

#### mab to shc (phospho-Tyr 317)

#0100-100/shc-15E11

#### mab to shc/p66 (phospho-Ser 36)

#0094-100/shc/p66-6E10

**Purification:** The antibody was purified from serum-free cell culture supernatant by subsequent thiophilic adsorption and size exclusion chromatography.

**Formulation:** liquid; 0.1mg/ml in in PBS/0.09% Na-Azide/PEG and Sucrose/50% Glycerol

**Reconstitution:**

**Stability:** Aliquote and store at -20°C up to 1 year.

**Avoid repeated freeze / thaw cycles.**

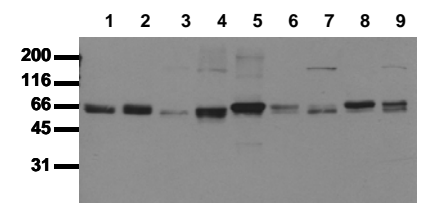
**Positive Control:** #0911: Cell lysate from untreated Neuro 2A cells

**Immunoblotting:** 0.5 µg/ml for HRPO/ECL detection  
**Recommended blocking buffer:** Casein/Tween 20 based blocking and blot incubation buffer, e.g. nanoTools product #3031-500/CPPT or #3031-3000/CPPT.

**Immunoprecipitation:** ND

**Immunocytochemistry:** ND

**ELISA:** ND



#### Detection of endogenous p66shc

Whole cell lysates of serum starved tumor cells (ca. 20,000 cells per lane) were applied to SDS-PAGE and transferred to a PVDF membrane. The immunoblot was probed with mab shc/p66-24E4 (0.5 µg/ml) for 1h at RT and developed by ECL (exp. time: 30 sec).

lane 1: HeLa; lane 2: HepG2; lane 3: HEK293; lane 4: SH-SY5Y; lane 5: MDCK; lane 6: PC12; lane 7: CMT 93; lane 8: Neuro 2A; lane 9: 3T3

**All products are supplied for research and investigational use only. Not for use in humans or laboratory animals.**