Mouse Monoclonal Antibody to

shc/p66 (phospho-Ser 36)

clone 6E10

Order No.: **0094-100/shc/p66-6E10**

Size (µg) 100

Lot No.: 0094S

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02/260207F

Isotype:	Species Reactivity	Applications	Mol. Weight	Ref.Cell Line	Epitope:	Immunogen:
IgG1	human, mouse, dog	WB	66 kDa	HepG2	Phosphoserine 36 E L P pS P S A	phosphopeptide conjugated to KLH

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/p66-6E10 specifically recognizes shc/p66 when it is phosphorylated at serine 36.
We recommend to immunoprecipitate shc/p66 prior to detection with mab shc/p66-6E10.

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 (N-terminus)
#0180-100/shc/p66-24E4

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

Formulation: lyophilized from 1 ml 2 x PBS / 0.09 % Na-azide / PEG and Sucrose.

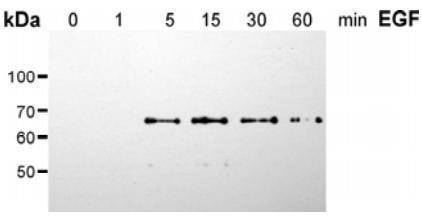
Reconstitution: Reconstitute with 1 ml H_2O (15 min, RT).

Stability: For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen; reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.

Avoid repeated freeze / thaw cycles.

Positive Control: #0816: shc/p66 precipitated from EGF-treated HepG2 cells

Immunoblotting: 1 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.



Immunoblot Analysis

HeLa cells were cultured under serum-free conditions for 24h and subsequently stimulated with 10 ng/ml EGF. Cells were lysed with RIPA buffer and shc immunoprecipitated with polyclonal anti-shc (Transduction Labs). Immunoprecipitates were separated by SDS-PAGE. Immunoblots were developed using mab shc/p66-6E10 at 1µg/ml.

Immunoprecipitation ND

Immunocytochemistry ND

ELISA: ND

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