

Product datasheet for **AM00144PU-N**

SHC (SHC1) pSer36 (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 6E10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	6E10
Applications:	ELISA, WB
Recommended Dilution:	Western Blot: 1 µg/ml for HRPO/ECL detection. Recommended blocking buffer BPPT: 1% (w/v) BSA, 1% (w/v) PEG 4000, 1% (w/v) Polyvinylpyrrolidone (PVP), 0.1%(v/v) Tween 20, 2XPBS.
Reactivity:	Canine, Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic phosphopeptide conjugated to KLH Epitope: E-L-P-pS-P-S-A
Specificity:	This antibody 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.
Formulation:	1 ml PBS State: Purified State: Lyophilized purified IgG fraction Stabilizer: PEG and Sucrose Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore with 1 ml H ₂ O (15 min, RT).
Purification:	Subsequent Thiophilic Adsorption and Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized (preferably in a desiccator) at -20°C and reconstituted (aliquote and freeze in liquid nitrogen) at -80°C. Avoid repeated freezing and thawing. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	66 kDa



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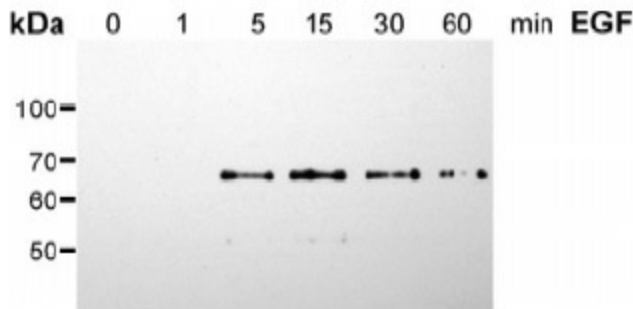
Gene Name:	SHC adaptor protein 1
Database Link:	Entrez Gene 6464 Human P29353
Background:	Mammalian cells can express three alternatively spliced isoforms of the shc adaptor protein: shc/p46, shc/p52 and shc/p66. shc/p66 contains a unique N-terminal protein domain. In addition to tyrosine phosphorylation 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.
Synonyms:	SHC-transforming protein 1, SHC-transforming protein A, SHC-transforming protein 3, SHCA
Note:	Protocol: Included Positive Control Cell Lysate: HepG2 shc/p66-IP

Formulation: shc/p66 immunoprecipitated with anti-shc (*BD Transduction Laboratories*) from PMA stimulated HepG2 cells. Proteins were eluted with SDS and lyophilized from PBS/SDS.

Reconstitution: Restore by addition of 125 μ l H₂O. After complete solubilization add 125 μ l 2x SDS-PAGE sample buffer, mix and incubate at 90°C for 5 min. Aliquote and store frozen. Avoid repeated freezing and thawing.

Application: The positive control cell lysate is recommended for immunoblot applications. Use 20 μ l/lane (mini gel) for HRPO/ECL detection of the target proteins. Please note: The lyophilized cell lysates contain SDS and are not recommended for applications with native proteins such as immunoprecipitation.

Product images:



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 1 μ g/ml.