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Product datasheet for AM00140PU-N

SHC (SHC1) (C-term) (incl. pos. control) Mouse Monoclonal Antibody [Clone ID: 11F6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	11F6
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1 µg/ml for HRPO/ECL detection. Recommended buffer: Casein/Tween 20 based blocking and blot incubation buffer. Recommended positive control: Cell lysate from untreated 3T3 cells. Immunocytochemistry. Immunohistochemistry.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide conjugated to hemocyanin
Specificity:	This antibody specifically recognizes the C-terminus of shc.
Formulation:	1 ml PBS / 0.09 % Na-azide / PEG and Sucrose State: Purified State: Lyophilized purified IgG
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	Subsequent thiophilic adsorption and size exclusion chromatography
Conjugation:	Unconjugated
Storage:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch. Thaw aliquots at 37°C. Thawed aliquots may be stored at 4°C up to 3 months.
Gene Name:	SHC adaptor protein 1
Database Link:	Entrez Gene 6464 Human P29353

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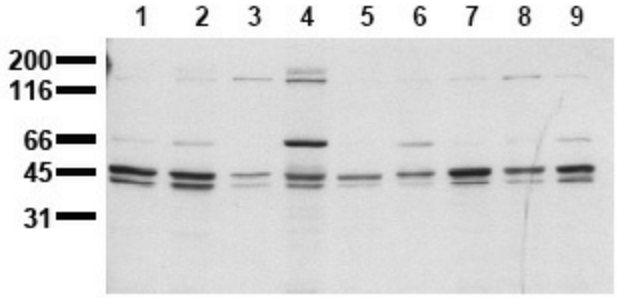
Background: Mammalian cells can express three alternatively spliced isoforms of the shc adaptor protein: shc/p46, shc/p52 and shc/p66. shc/p66 contains a unique N-terminal protein domain. In addition to tyrosine phosphorylation of Tyr 239/240 and/or Tyr 317, shc/p66 is phosphorylated at serine 36, e.g. 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

Product images:



Detection of endogenous shc: 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-11F6 (0.5 ug/ 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

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