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Anti-ShcA Antibody

Catalog # AN1952

Product Information

Application	WB, ICC
Primary Accession	P29353
Host	Rabbit
Clonality	Rabbit Polyclonal
Isotype	IgG
Calculated MW	62822

Additional Information

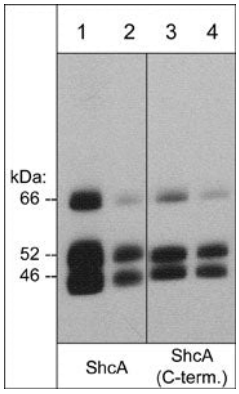
Gene ID	6464
Other Names	SH2 C1, SHC
Dilution	WB~~1:1000 ICC~~N/A
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-ShcA Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

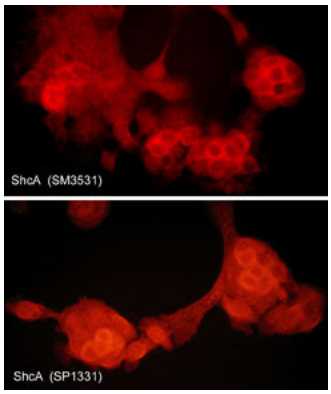
Background

The adapter protein Shc was initially identified as an SH2 containing proto-oncogene involved in growth factor signaling. Since then, a number of studies in multiple systems have implicated a role for Shc in many different types of signal transduction including growth factor, antigen, cytokine, G-protein, hormone, and integrin receptor signaling. In addition to the ubiquitous ShcA, there are two other shc gene products, ShcB and ShcC, which are predominantly expressed in neuronal cells. ShcA knockout mice are embryonic lethal and have clearly suggested an important role for ShcA in vivo. An important role for Shc in the activation of MAPK pathway has been established. Thus, Shc adapter proteins are critical components of signal transduction pathways involved in many different cellular processes.

Images

Western blot analysis of ShcA expression in A431 cell lysate (lanes 1, 2, 3, & 4). The blots were probed with rabbit polyclonal anti-ShcA (AN1952) at 1:1000 (lane 1) or 1:4000 (lane 2) and mouse monoclonal ShcA (C-terminal region) at 1:1000 (lane 3) or 1:4000 (lane 4).





Immunocytochemical labeling of ShcA in paraformaldehyde-fixed and NP-40-permeabilized A431 cells. The cells were labeled with mouse monoclonal (top) and rabbit polyclonal (bottom) ShcA antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.