



[Go to Product page](#)

Datasheet for ABIN6244011
anti-SOS1 antibody (AA 934-962)

1 Image

Overview

Quantity:	400 µL
Target:	SOS1
Binding Specificity:	AA 934-962
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SOS1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SOS1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 934-962 amino acids from the Central region of human SOS1.
Clone:	RB23356
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SOS1
Alternative Name:	SOS1 (SOS1 Products)
Target Type:	Viral Protein

Target Details

Background: Son of Sevenless 1 protein is an activator of ras proteins by stimulating the exchange of GDP for GTP on ras. Murine Son of Sevenless proteins have been shown to form a complex with activated EGF receptor, coupling tyrosine kinases to ras proteins. The SOS gene was originally isolated in Drosophila. Two mammalian homologues (mSOS1 and mSOS2) have been isolated from a mouse cDNA library and are expressed in a variety of mouse embryo and adult tissues. Human SOS1 and SOS2 homologs have also been isolated. The two mouse homologs are approximately 70 % identical in composition. The mammalian SOS1 protein has a highly specific guanine nucleotide exchange activity towards p21ras. In epidermal growth factor stimulated cells, SOS1 interacts with SH3 domains of GRB2 and binds via SH2 domain to tyrosine 1068 of activated Epidermal Growth Factor receptor.

Molecular Weight: 152464

NCBI Accession: [NP_005624](#)

UniProt: [Q07889](#)

Pathways: [RTK Signaling](#), [TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Neurotrophin Signaling Pathway](#), [Hepatitis C](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [BCR Signaling](#)

Application Details

Application Notes: WB: 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

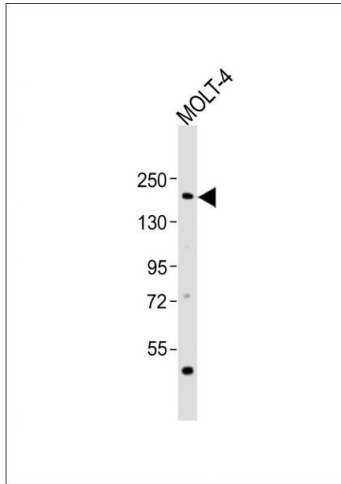
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Expiry Date: 6 months



Western Blotting

Image 1. Anti-SOS1 Antibody (Center) at 1:2000 dilution + MOLT-4 whole cell lysates Lysates/proteins at 20 μ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 152.5 kDa Blocking/Dilution buffer: 5 % NFDN/TBST.