# Product datasheet Anti-FOSL1 Antibody Catalog Number: A03927-1



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information	
Product Name	Anti-FOSL1 Antibody
Gene Name	FOSL1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
<b>Species Reactivity</b>	human
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human FRA1, which shares 75.7% and 71.8% amino acid (aa) sequence identity with mouse and rat RA1, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	29-39 kDa
Dilution Ratios	Western blot (WB):1:500-2000

### **Storage**

12 months from date of receipt, -20°C as supplied.

## **Background Information**

Fos-related antigen 1 (FRA1) is a protein that in humans is encoded by the FOSL1 gene. The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. Several transcript variants encoding different isoforms have been found for this gene.

### **Selected Validation Data**

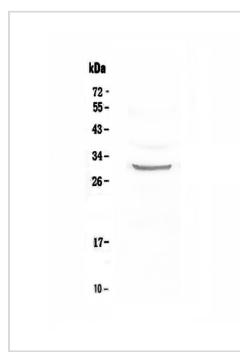
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Western blot analysis of FOSL1 using anti-FOSL1 antibody (A03927-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human A375 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-FOSL1 antigen affinity purified polyclonal antibody (A03927-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for FOSL1 at approximately 29-39 kDa. The expected band size for FOSL1 is at 29 kDa.