

Basic Information

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|--------------------|---|
| Product Name | Anti-FOSL1 Antibody |
| Gene Name | FOSL1 |
| Source | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Species Reactivity | 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

kDa

72 -

55 -

43 -

34 -

26 -

17 -

10 -

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.