

## 39-2009: Anti-Fos B Polyclonal Antibody

|                                |  |
|--------------------------------|--|
| <b>Clonality :</b>             | Polyclonal   |
| <b>Application :</b>           | WB,IHC-P   |
| <b>Reactivity :</b>            | Human, Mouse, Rat  |
| <b>Gene :</b>                  | FOSB   |
| <b>Gene ID :</b>               | 2354   |
| <b>Uniprot ID :</b>            | P53539   |
| <b>Format :</b>                | Lyophilized  |
| <b>Alternative Name :</b>      | Protein fosB; G0/G1 switch regulatory protein 3; FOSB; G0S3  |
| <b>Isotype :</b>               | Rabbit IgG   |
| <b>Immunogen Information :</b> | A synthetic peptide corresponding to a sequence at the C-terminus of Human Fos B (264-291aa LPFQTSQDAPPNLTASLFTHSEVQVLGD), different from the related Mouse sequence by two amino acids. |

### Description

FOSB, FBJ murine osteosarcoma viral oncogene homolog B, is a protein that, in humans, is encoded by the FOSB gene. FOSB is a member of Fos gene family which consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. The FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. The FOSB gene is mapped to 19q13.32. Delta FOSB is a truncated splice variant of FOSB. Delta FosB has been implicated in the development of drug addiction and control of the reward system in the brain, and is linked to changes in a number of other gene products such as CREB and sirtuins. Delta FosB also regulates the commitment of mesenchymal precursor cells to the adipocyte or osteoblast lineage.

### Product Info

|                            |  |
|----------------------------|--|
| <b>Amount :</b>            | 100 µg/vial  |
| <b>Purification :</b>      | Immunogen affinity purified.   |
| <b>Content :</b>           | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N. Reconstitute : Add 0.2ml of distilled water will yield a concentration of 500ug/ml. |
| <b>Storage condition :</b> | At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.                |

### Application Note

Western blot : 0.1-0.5 µg/ml; Immunohistochemistry(Paraffin-embedded Section) : 0.5-1 µg/ml

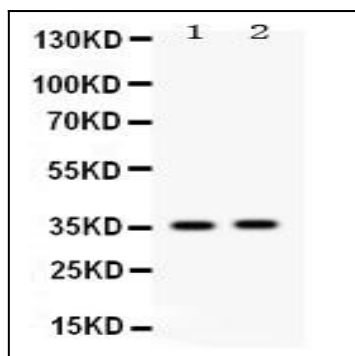


Figure 1: Anti-Fos B antibody(39-2009). Western blotting: Lanes: Anti Fos B(39-2009) at 0.5ug/ml, Lane 1: Rat Kidney Tissue Lysate at 50ug, Lane 2: HEPG2 Whole Cell Lysate at 40ug. Predicted band size: 36 kDa. Observed band size: 36 kDa.

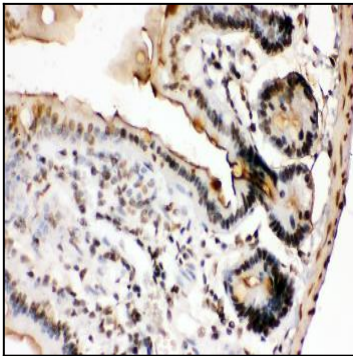


Figure 2: Anti-Fos B antibody(39-2009). IHC(P): Mouse Intestine Tissue.

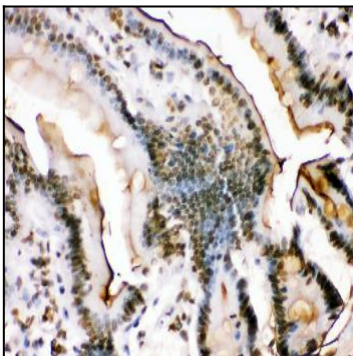


Figure 3: Anti-Fos B antibody(39-2009). IHC(P): Rat Intestine Tissue.

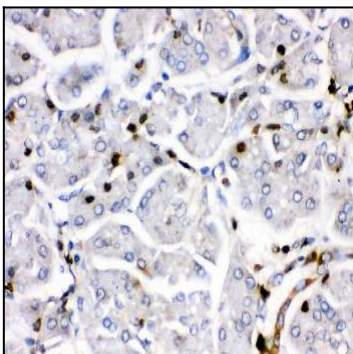


Figure 4: Anti-Fos B antibody(39-2009). IHC(P): Human Pancreatic Cancer Tissue.