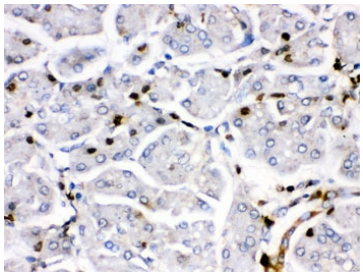
Fos B Antibody (R32134)

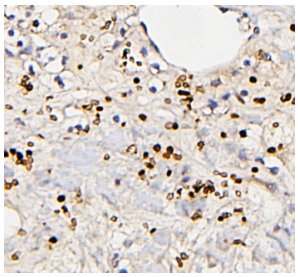
Catalog No.	Formulation	Size
R32134	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

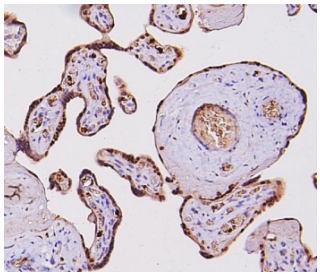
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P53539
Localization	Nuclear
Applications	Western Blot : 0.1-0.5ug/ml Immunohistochemistry (FFPE) : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells
Limitations	This Fos B antibody is available for research use only.



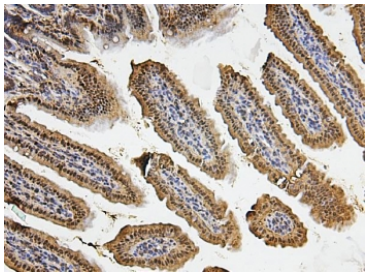
IHC testing of FFPE human pancreatic cancer tissue with Fos B antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.



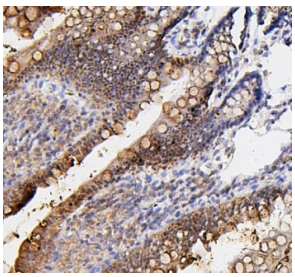
IHC testing of FFPE human renal cancer tissue with Fos B antibody. HIER: Boil the paraffin sections in pH8 EDTA for 20 minutes and allow to cool prior to staining.



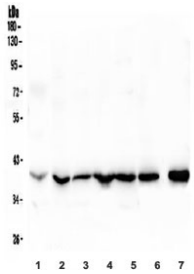
IHC testing of FFPE human placental tissue with Fos B antibody. HIER: Boil the paraffin sections in pH8 EDTA for 20 minutes and allow to cool prior to staining.



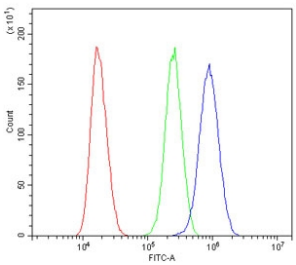
IHC testing of FFPE mouse intestinal tissue with Fos B antibody. HIER: Boil the paraffin sections in pH8 EDTA for 20 minutes and allow to cool prior to staining.



IHC testing of FFPE rat intestinal tissue with Fos B antibody. HIER: Boil the paraffin sections in pH8 EDTA for 20 minutes and allow to cool prior to staining.



Western blot testing of 1) rat thymus and mouse 2) thymus, 3) ovary, 4) spleen, 5) kidney, 6) RAW264.7 and human 7) HL-60 and 8) ThP-1 lysate with Fos B antibody. Expected molecular weight ~36 kDa.



Flow cytometry testing of human SiHa cells with Fos B antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Fos B antibody.

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.

Application Notes

Optimal dilution of the Fos B antibody should be determined by the researcher.

Immunogen

Amino acids LPFQTSQDAPPNLTASLFTHSEVQVLGD of human Fos B were used as the immunogen for the Fos B antibody.

Storage

After reconstitution, the Fos B antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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