

# LOC100360880 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10273

## Product Information

Application	WB
Primary Accession	<a href="#">D3ZLB7</a>
Other Accession	<a href="#">XM_002725539</a> , <a href="#">XP_002725585</a>
Reactivity	Human, Mouse, Rat, Zebrafish, Goat, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Zebrafish, Pig, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35979

## Additional Information

Gene ID	100360880
Alias Symbol	Fosb, fra-2, LOC100360880
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-LOC100360880 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	LOC100360880 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Name	Fosb {ECO:0000312   RGD:1308198}
Function	Heterodimerizes with proteins of the JUN family to form an AP-1 transcription factor complex, thereby enhancing their DNA binding activity to an AP-1 consensus sequence 5'-TGA[GC]TCA-3' and enhancing their transcriptional activity (By similarity). Exhibits transactivation activity in vitro (By similarity). As part of the AP-1 complex, facilitates enhancer selection together with cell-type- specific transcription factors by collaboratively binding to nucleosomal enhancers and recruiting the SWI/SNF (BAF) chromatin remodeling complex to establish accessible chromatin (By similarity). Together with JUN, plays a role in activation-induced cell death of T cells by binding to the AP-1 promoter site of FASLG/CD95L, and inducing its transcription in response to activation of the TCR/CD3 signaling pathway (By similarity). Involved in the display of nurturing behavior towards newborns (By similarity). May play a role in neurogenesis in the hippocampus and in

learning and memory-related tasks by regulating the expression of various genes involved in neurogenesis, depression and epilepsy (By similarity). Implicated in behavioral responses related to morphine reward and spatial memory (By similarity).

**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:P13346}.

**Tissue Location**

Expressed in brain (PubMed:16687504). Expressed in pyramidal cells in CA1 and CA3, in the dentate gyrus and the nucleus accumbens (at protein level) (PubMed:26446228)

## Images

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Host:Rabbit  
Target Name:LOC13688  
Sample Tissue: Rat Brain lysates  
Antibody Dilution:1.µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.