

**Product Name: FOS Mouse Monoclonal Antibody**  
**Catalog #: AMM81127**

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## Summary

<b>Production Name</b>	FOS Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,FC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	FOS
<b>Alternative Names</b>	p55; AP-1; C-FOS
<b>Gene ID</b>	2353.0
<b>SwissProt ID</b>	P01100.Purified recombinant fragment of human FOS expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	WB:1:500-1:2000,IHC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	40.7kDa

## Background

The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that

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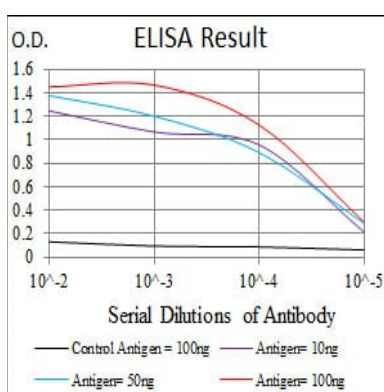


can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death.

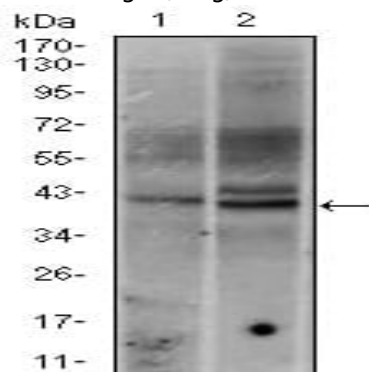
## Research Area

TGF-beta signaling pathway, MAPK signaling pathway

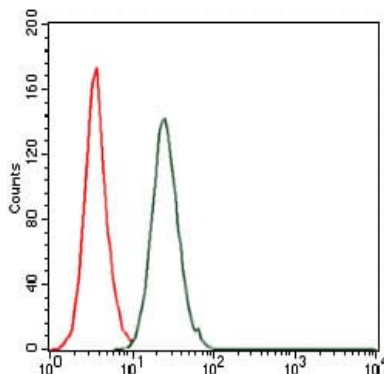
## Image Data



Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



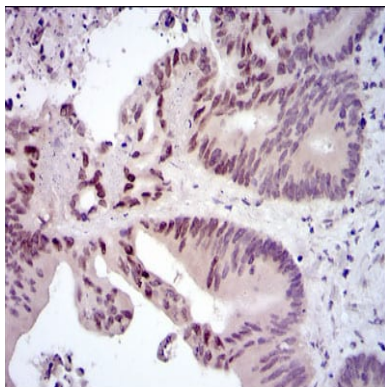
Western blot analysis using FOS mouse mAb against HeLa (1), and HeLa (2) cell lysate.



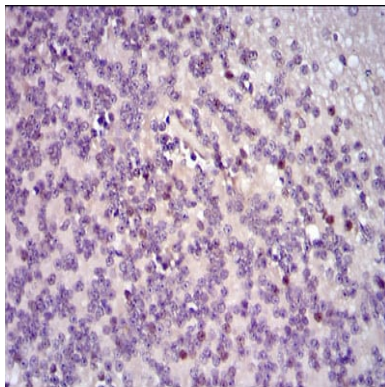
Flow cytometric analysis of HeLa cells using FOS mouse mAb (green) and negative control (red).

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Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using FOS mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human cerebellum tissues using FOS mouse mAb with DAB staining.

### **Note**

For research use only.