

Product datasheet for **AP21134PU-M**

c Fos (FOS) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of c-Fos protein. (region surrounding Ser368)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 15 mM sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 62 kDa
Gene Name:	Fos proto-oncogene, AP-1 transcription factor subunit
Database Link:	<u>Entrez Gene 14281 Mouse</u> <u>Entrez Gene 314322 Rat</u> <u>Entrez Gene 2353 Human</u> <u>P01100</u>



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Background:

The v-Fos oncogene was initially identified as the transforming gene of two independent murine osteosarcoma virus isolates and an avian nephroblastoma virus. The cellular homolog, c-Fos, encodes a nuclear phosphoprotein that is rapidly and transiently induced by a variety of agents and functions as a transcriptional regulator for several genes. In contrast to c-Jun proteins, which form homo- and heterodimers which bind to specific DNA TPA response elements (TREs), c-Fos proteins are only active as heterodimers with members of the Jun gene family. Murine Fos B encodes a nuclear protein of 338 amino acids which has 70% homology with c-Fos, exhibits similar kinetics of expression as c-Fos and forms heterodimers with both c-Jun and Jun B, which bind to TRE DNA response elements. Functional homologs of c-Fos and Fos B include Fra-1 and Fra-2 genes.

Synonyms:

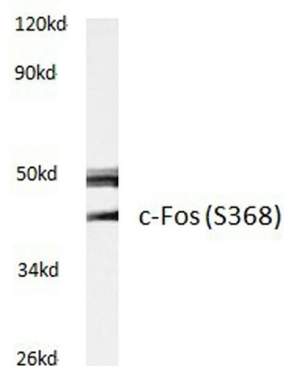
FOS, G0S7

Protein Families:

Druggable Genome, Transcription Factors

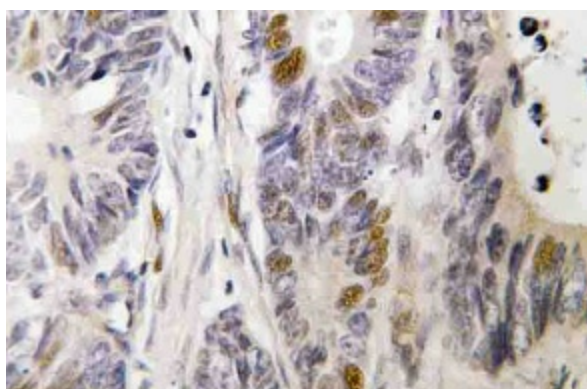
Protein Pathways:

B cell receptor signaling pathway, Colorectal cancer, MAPK signaling pathway, Pathways in cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

Product images:


HEK293A whole cell lysate
c-Fos (S368) pAb at 1:500 dilution

Western blot (WB) analysis of c-Fos antibody (Cat.-No.: [AP21134PU-N]) in extracts from HEK293A cells.



Immunohistochemistry (IHC) analyzes of c-Fos antibody (Cat.-No.: [AP21134PU-N]) in paraffin-embedded human colon carcinoma tissue.