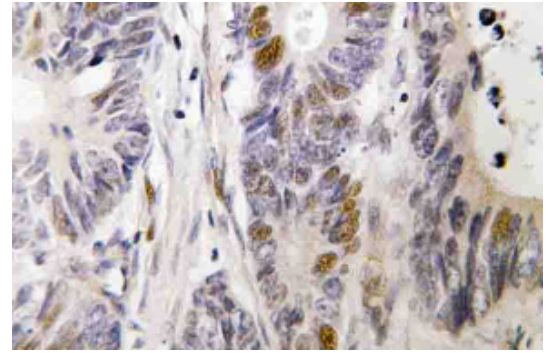


**AP21134PU-N****Polyclonal Antibody to c-fos - Aff - Purified**

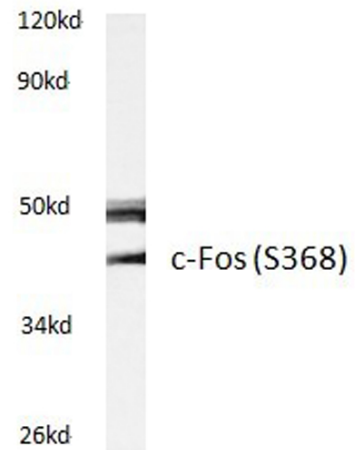
<b>Alternate names:</b>	Cellular oncogene fos, FOS, G0/G1 switch regulatory protein 7, G0S7, Proto-oncogene protein c-fos
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	<p>The v-Fos oncogene was initially identified as the transforming gene of two independent murine osteosarcoma 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.</p>
<b>Uniprot ID:</b>	<a href="#">P01100</a>
<b>NCBI:</b>	<a href="#">NP_005243</a>
<b>GeneID:</b>	<a href="#">2353</a>
<b>Host:</b>	Rabbit
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Affinity chromatography (> 95% (by SDS-PAGE)) <b>Buffer System:</b> Phosphate buffered saline (PBS), pH 7.2. <b>Preservatives:</b> 15 mM sodium azide
<b>Applications:</b>	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50 - 1/200. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	~ 62 kDa
<b>Specificity:</b>	This antibody detects endogenous levels of c-Fos protein. (region surrounding Ser368)
<b>Species Reactivity:</b>	<b>Tested:</b> Human. <b>Expected from sequence similarity:</b> Mouse and Rat.
<b>Storage:</b>	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

**Pictures:**

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



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



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