# Phospho-FOS (Ser32) Ab

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| Cat.#: AF2302 | Concn.: 1mg/ml | Mol.Wt.: 62kDa |
| Size: 100ul,200ul | Source: Rabbit | Clonality: Polyclonal |

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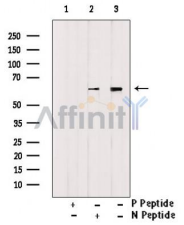
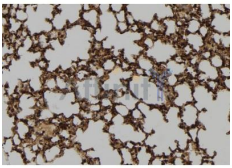
| Application: | WB 1:500-1:2000, IHC 1:50-1:200 |
| Reactivity: | Human,Mouse,Rat |
| Purification: | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Specificity: | Phospho-FOS (Ser32) Ab detects endogenous levels of FOS. |
| Immunogen: | A synthesized peptide derived from human FOS around the phosphorylation site of Ser32. |
| Uniprot: | P01100 |
| Subcellular Location: | Nucleus. |
| Tissue Specificity: | Expressed at very low levels in quiescent cells. When cells are stimulated to reenter growth, they undergo 2 waves of expression, the first one peaks 7.5 minutes following FBS induction. At this stage, the protein is localized endoplasmic reticulum. The second wave of expression occurs at about 20 minutes after induction and peaks at 1 hour. At this stage, the protein becomes nuclear. |
| Similarity: | Belongs to the bZIP family. Fos subfamily. |
| Storage Condition and Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt. |




Western blot analysis of extracts from HeLa serum-starved treated with TPA, using Phospho-FOS (Ser32) Ab. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.



AF2302 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary.

*IMPORTANT:* For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.