

## Fos (Phospho-Ser362) Antibody

Catalog No: #12007

Package Size: #12007-1 50ul #12007-2 100ul

## Description

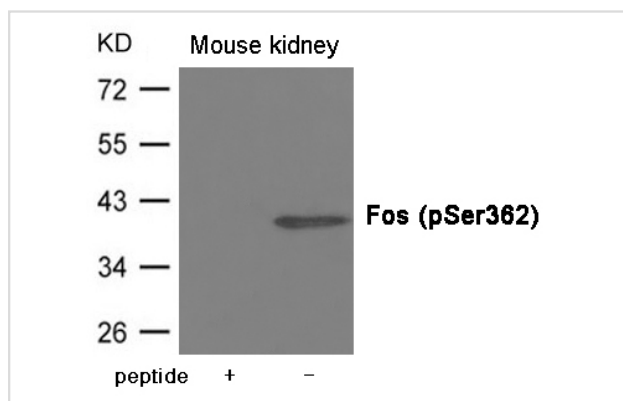
|                       |                                                                                                                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Fos (Phospho-Ser362) Antibody                                                                                                                                                                                                                                                           |
| Host Species          | Rabbit                                                                                                                                                                                                                                                                                  |
| Clonality             | Polyclonal                                                                                                                                                                                                                                                                              |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB                                                                                                                                                                                                                                                                                      |
| Species Reactivity    | Hu Ms Rt                                                                                                                                                                                                                                                                                |
| Specificity           | The antibody detects endogenous level of Fos only when phosphorylated at Serine 362.                                                                                                                                                                                                    |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                                                                                                                             |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 362<br>(K-G-S(p)-S-S) derived from Human Fos.                                                                                                                                                                                    |
| Conjugates            | Unconjugated                                                                                                                                                                                                                                                                            |
| Target Name           | Fos                                                                                                                                                                                                                                                                                     |
| Modification          | Phospho                                                                                                                                                                                                                                                                                 |
| Other Names           | p55, AP-1, C-FOS                                                                                                                                                                                                                                                                        |
| Accession No.         | Swiss-Prot#: P01100; NCBI Gene#: 2353; NCBI Protein#: NP_005243.1                                                                                                                                                                                                                       |
| SDS-PAGE MW           | 40kd                                                                                                                                                                                                                                                                                    |
| Concentration         | 1.0mg/ml                                                                                                                                                                                                                                                                                |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                            |
| Storage               | Store at -20°C/1 year                                                                                                                                                                                                                                                                   |

## Application Details

Predicted MW: 40kd

Western blotting: 1:500~1:1000

## Images



Western blot analysis of extracts from Mouse kidney tissue using Fos (Phospho-Ser362) Antibody #12007. The lane on the left is treated with the antigen-specific peptide.

## Background

Nuclear phosphoprotein which forms a tight but non-covalently linked complex with the JUN/AP-1 transcription factor. In the heterodimer, FOS and JUN/AP-1 basic regions each seems to interact with symmetrical DNA half sites. On TGF-beta activation, forms a multimeric SMAD3/SMAD4/JUN/FOS complex at the AP1/SMAD-binding site to regulate TGF-beta-mediated signaling. Has a critical function in regulating the development of cells destined to form and maintain the skeleton. It is thought to have an important role in signal transduction, cell proliferation and differentiation. In growing cells, activates phospholipid synthesis, possibly by activating CDS1 and PI4K2A. This activity requires Tyr-dephosphorylation and association with the endoplasmic reticulum.

**Note:** This product is for in vitro research use only and is not intended for use in humans or animals.