

Fos (Phospho-Ser362) Conjugated Antibody

Catalog No: #C12007



Package Size: #C12007-AF350 100ul #C12007-AF405 100ul #C12007-AF488 100ul
 #C12007-AF555 100ul #C12007-AF594 100ul #C12007-AF647 100ul
 #C12007-AF680 100ul #C12007-AF750 100ul #C12007-Biotin 100ul

Orders: order@signalwayantibody.com
 Support: tech@signalwayantibody.com

Description

| | |
|-----------------------|--|
| Product Name | Fos (Phospho-Ser362) Conjugated Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Species Reactivity | Hu Ms Rt |
| Specificity | The antibody detects endogenous level of Fos only when phosphorylated at Serine 362. |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 362 (K-G-S(p)-S-S) derived from Human Fos. |
| Conjugates | Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750 |
| Other Names | p55;AP-1;C-FOS |
| Accession No. | Swiss-Prot#:P01100NCBI Gene ID:2353NCBI mRNA#:NM_005252.3NCBI Protein#:NP_005243.1 |
| Uniprot | P01100 |
| GeneID | 2353; |
| Excitation Emission | AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm |
| Calculated MW | 40 |
| Formulation | 0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide |
| Storage | Store at 4°C in dark for 6 months |

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250
 AF405 conjugated: most applications: 1: 50 - 1: 250
 AF488 conjugated: most applications: 1: 50 - 1: 250
 AF555 conjugated: most applications: 1: 50 - 1: 250
 AF594 conjugated: most applications: 1: 50 - 1: 250
 AF647 conjugated: most applications: 1: 50 - 1: 250
 AF680 conjugated: most applications: 1: 50 - 1: 250
 AF750 conjugated: most applications: 1: 50 - 1: 250

Product Description

Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.

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