

IKK- γ (Phospho-Ser85) Antibody

Catalog No: #11927

Package Size: #11927-1 50ul #11927-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

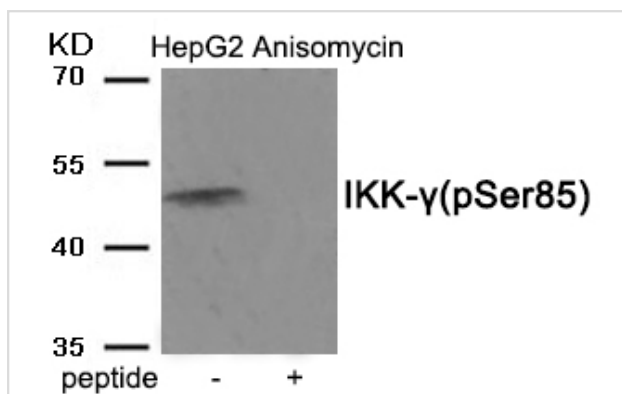
Description

| | |
|-----------------------|--|
| Product Name | IKK- γ (Phospho-Ser85) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | 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. |
| Applications | WB |
| Species Reactivity | Hu Ms |
| Specificity | The antibody detects endogenous level of IKK- γ only when phosphorylated at serine 85. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of serine 85 (Q-A-S(p)-Q-R) derived from Human IKK-gamma. |
| Target Name | IKK- γ |
| Modification | Phospho |
| Other Names | FIP-3; FIP3; I-kappa-B kinase gamma; IKK-gamma; IKKAP1 |
| Accession No. | Swiss-Prot#: Q9Y6K9; NCBI Gene#: 8517; NCBI Protein#: NP_001093326.2 |
| Uniprot | Q9Y6K9 |
| GeneID | 8517; |
| SDS-PAGE MW | 48kd |
| Concentration | 1.0mg/ml |
| Formulation | Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C/1 year |

Application Details

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from HepG2 cells treated with Anisomycin using Phospho-IKK-gamma (Ser85) antibody #11927. The lane on the right is treated with the antigen-specific peptide.

Background

Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. However, the specific type of polyubiquitin recognized upon cell stimulation (either 'Lys-63'-linked or linear polyubiquitin) and its functional importance is reported conflictingly. Also considered to be a mediator for TAX activation of NF-kappa-B. Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3. Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination.

Niu J, Shi Y, Iwai K, Wu ZH (2011) EMBO J 30, 3741-53.

Wu ZH, et al. (2010) Mol Cell 40, 75-86. Palkowitsch

L, Leidner J, Ghosh S, Marienfeld RB (2008) J Biol Chem 283, 76-86.

Note: This product is for in vitro research use only