

## Product datasheet for **AP55883PU-N**

### IKK gamma (IKBK $\gamma$ ) pSer85 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	<b>Western blot:</b> 1:500~1:1000.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of serine 85 (Q-A-S(p)-Q-R) derived from Human IKK-gamma (KLH-conjugated)
Specificity:	The antibody detects endogenous level of IKK- $\gamma$ only when phosphorylated at serine 85.
Formulation:	Rabbit IgG 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 State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	48 kDa
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Database Link:	<a href="#">Entrez Gene 8517 Human Q9Y6K9</a>

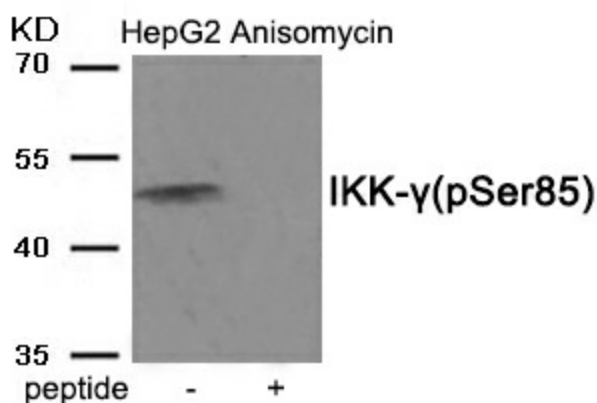


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**Background:** Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding 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.

**Synonyms:** FIP3, FIP-3, IKKAP1, I-kappa-B kinase subunit gamma, IKK-gamma, IKKG, I $\kappa$ B kinase subunit gamma

### Product images:



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