

Datasheet for ABIN6699953 IKBKG Protein (GST tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	IKBKG
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IKBKG protein is labelled with GST tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	IKK gamma recombinant protein-GST fusion protein
Purification:	Recombinant full-length human IKK gamma was expressed by baculovirus in Sf9 insect cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >95% by densitometry.
Purity:	>95%

Target Details

Target:	IKBKG
Alternative Name:	IKBKG (IKBKG Products)
Background:	Synonyms: IKBKG, AMCBX1, FIP-3, FIP3, Fip3p, IKK-gamma, IP, IP1, IP2, IPD2, NEMO, NF-kappa-B essential modulator, NEMO, FIP-3, Ikb kinase-associated protein 1, IKKAP1, Inhibitor of nuclear factor kappa-B kinase subunit gamma, I-kappa-B kinase subunit gamma, IKK-

Target Details

gamma, IKKG, IκB kinase subunit gamma, NF-κappa-B essential modifier

Background: IKKgamma is a serine/threonine protein kinase that phosphorylates the I-κappa-B protein which is an inhibitor of the transcription factor NF-κappa-B complex. Phosphorylation of I-κappa-B protein triggers the degradation of the inhibitor via the ubiquitination pathway, thereby activating NF-κappa-B complex. IKKgamma forms dimers and trimers and interacts preferentially with IKKbeta but not IKKalpha (1). IKKgamma associates with activated ATM after the induction of DNA double-strand breaks (2). ATM phosphorylates serine-85 of IKKgamma to promote its ubiquitin-dependent nuclear export. IKKgamma Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Inflammation, Neurobiology, Ser/Thr Kinases, and WNT Signaling research.

NCBI Accession: [NM_003639](#)

Pathways: [NF-κappaB Signaling](#), [RTK Signaling](#), [TCR Signaling](#), [TLR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [Activation of Innate immune Response](#), [M Phase](#), [Production of Molecular Mediator of Immune Response](#), [Hepatitis C](#), [Protein targeting to Nucleus](#), [Toll-Like Receptors Cascades](#), [BCR Signaling](#), [Ubiquitin Proteasome Pathway](#), [S100 Proteins](#)

Application Details

Application Notes: Western_Blot_Dilution: User Optimized
Application_Note: IKK gamma Protein is suitable for use in Western Blot. Expect a band approximately ~73 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.2 µg/µL

Buffer: IKK gamma Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Handling

Expiry Date: 12 months