

## Product datasheet for TA336392

### IKK gamma (IKBK $\gamma$ ) Mouse Monoclonal Antibody [Clone ID: 46B844]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	46B844
Applications:	FC, WB
Recommend Dilution:	WB: 2 ug/ml, FC: 1:10-1:1000
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full-length human NEMO (IKK $\gamma$ ) protein
Formulation:	PBS containing 0.05% BSA, 0.05% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	0.5 mg/ml
Purification:	Protein G purified
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Database Link:	<a href="#">NP_001093326 Entrez Gene 8517 Human</a>
Background:	NF- $\kappa$ B (nuclear factor $\kappa$ B) is sequestered in the cytoplasm by I $\kappa$ B family of inhibitory proteins that mask the nuclear localization signal of NF- $\kappa$ B thereby preventing translocation of NF- $\kappa$ B to the nucleus. External stimuli such as tumor necrosis factor or other cytokines results in phosphorylation and degradation of I $\kappa$ B releasing NF- $\kappa$ B dimers. NF- $\kappa$ B dimer subsequently translocates to the nucleus and activates target genes. Synthesis of I $\kappa$ B $\alpha$ is autoregulated. I $\kappa$ B proteins are phosphorylated by I $\kappa$ B kinase complex consisting of at least three proteins, IKK1/ $\alpha$ , IKK2/ $\beta$ , and IKK3/ $\gamma$ . IKK3/ $\gamma$ preferentially interacts with IKK2/ $\beta$ and is required for activation of IKK complex. IKK3/ $\gamma$ is also known as NEMO (NF- $\kappa$ B Essential MODulator). Recent data suggest that the human T-cell leukemia virus type I Tax oncoprotein that activates NF- $\kappa$ B binds neither to IKK $\alpha$ nor IKK $\beta$ , but complexes directly with IKK $\gamma$ . This suggests that IKK $\gamma$ may be a key molecule acting as an adapter for onco-protein specific signaling to IKK $\alpha$ and IKK $\beta$ .
Synonyms:	AMCBX1; FIP-3; FIP3; Fip3p; IKK-gamma; IKKAP1; IKKG; IMD33; IP; IP1; IP2; IPD2; NEMO; ZC2HC9

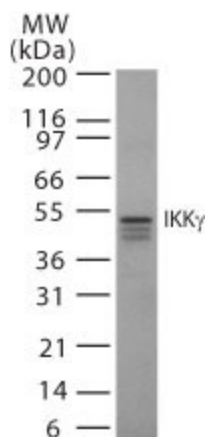


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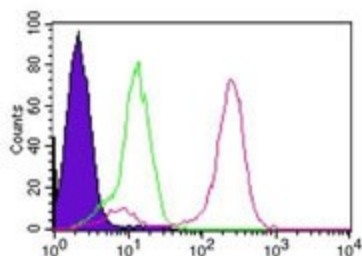
**Protein Families:** Druggable Genome, Transcription Factors

**Protein Pathways:** Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Primary immunodeficiency, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway

### Product images:



Western Blot: IKK-gamma Antibody (46B844) TA336392 - analysis using NEMO (IKKgamma) antibody. Lysate from human Jurkat cells probed with NEMO antibody at 2 ug/ml. I goat anti-mouse Ig HRP secondary and PicoTect ECL substrate solution were used for this



Flow Cytometry: IKK-gamma Antibody (46B844) TA336392 - analysis using NEMO (IKKgamma) antibody. Human Jurkat cells were probed using 0.1 ug of NEMO antibody (red) and 0.1 ug of isotype control (green), with shaded histogram representing cells alone. thi