

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

## IKK-2 K44M

RRID:Addgene\_11104

Type: Plasmid

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### Proper Citation

RRID:Addgene\_11104

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### Plasmid Information

**URL:** <http://www.addgene.org/11104>

**Proper Citation:** RRID:Addgene\_11104

**Insert Name:** IKK-2

**Organism:** Homo sapiens

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:9346484](#)

**Vector Backbone Description:** Backbone Size:4700; Vector Backbone:pCMV2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** NGS found additional P668H mutation.

**Plasmid Name:** IKK-2 K44M

**Relevant Mutation:** K44M, kinase inactive

**Record Creation Time:** 20220422T221540+0000

**Record Last Update:** 20260725T073505+0000

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### Ratings and Alerts

No rating or validation information has been found for IKK-2 K44M.

No alerts have been found for IKK-2 K44M.

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### Data and Source Information

## Usage and Citation Metrics

We found 14 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Prescott JA, et al. (2022) IKK $\gamma$  plays a major role in canonical NF- $\kappa$ B signalling in colorectal cells. The Biochemical journal, 479(3), 305.

Lin CY, et al. (2021) Influenza A virus NS1 resembles a TRAF3-interacting motif to target the RNA sensing-TRAF3-type I IFN axis and impair antiviral innate immunity. Journal of biomedical science, 28(1), 66.

Al-Huseini I, et al. (2018) Deletion of I $\kappa$ B-Kinase  $\gamma$  in Smooth Muscle Cells Induces Vascular Calcification Through  $\gamma$ -Catenin-Runt-Related Transcription Factor 2 Signaling. Journal of the American Heart Association, 7(1).

Reid MA, et al. (2016) IKK $\gamma$  promotes metabolic adaptation to glutamine deprivation via phosphorylation and inhibition of PFKFB3. Genes & development, 30(16), 1837.

Ho MY, et al. (2016) PATZ1 induces PP4R2 to form a negative feedback loop on IKK/NF- $\kappa$ B signaling in lung cancer. Oncotarget, 7(32), 52255.

Hochrainer K, et al. (2015) The ubiquitin ligase HERC3 attenuates NF- $\kappa$ B-dependent transcription independently of its enzymatic activity by delivering the RelA subunit for degradation. Nucleic acids research, 43(20), 9889.

Lim GG, et al. (2015) Cytosolic PTEN-induced Putative Kinase 1 Is Stabilized by the NF- $\kappa$ B Pathway and Promotes Non-selective Mitophagy. The Journal of biological chemistry, 290(27), 16882.

Jordanovski D, et al. (2013) The hypoxia-inducible transcription factor ZNF395 is controlled by I $\kappa$ B kinase-signaling and activates genes involved in the innate immune response and cancer. PLoS one, 8(9), e74911.

Kassel KM, et al. (2012) Lipopolysaccharide enhances transforming growth factor  $\beta$ 1-induced platelet-derived growth factor-B expression in bile duct epithelial cells. Journal of gastroenterology and hepatology, 27(4), 714.

Cocka LJ, et al. (2012) Identification of alternatively translated Tetherin isoforms with differing antiviral and signaling activities. PLoS pathogens, 8(9), e1002931.

Hupalowska A, et al. (2012) APPL1 regulates basal NF- $\kappa$ B activity by stabilizing NIK. Journal of cell science, 125(Pt 17), 4090.

König HG, et al. (2012) Fibroblast growth factor homologous factor 1 interacts with NEMO to regulate NF- $\kappa$ B signaling in neurons. Journal of cell science, 125(Pt 24), 6058.

Chang CH, et al. (2011) TBK1-associated protein in endolysosomes (TAPE) is an innate immune regulator modulating the TLR3 and TLR4 signaling pathways. The Journal of biological chemistry, 286(9), 7043.

Lees SJ, et al. (2009) Muscle precursor cells isolated from aged rats exhibit an increased tumor necrosis factor- alpha response. Aging cell, 8(1), 26.