

## Immunotag™ Phospho-IKK gamma (Ser31) Antibody

Antibody Specification	
Catalog No.	ITA1264
Product Description	Immunotag™ Phospho-IKK gamma (Ser31) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-IKK gamma (Ser31)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,IF/ICC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200, IF/ICC 1:100-1:500
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human IKK- gamma around the phosphorylation site of Serine 31
Specificity	Phospho-IKK- gamma (Ser31) Antibody detects endogenous levels of IKK- gamma only when phosphorylated at Serine 31
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	IKBKG
Accession No.	Q9Y6K9

## Antibody Specification

Alternate Names	IkB kinase associated protein 1; IkB kinase subunit gamma; Inhibitor of nuclear factor kappa B kinase subunit gamma; AMCBX1; FIP 3; FIP-3; FIP3; Fip3p; I kappa B kinase gamma; I-kappa-B kinase subunit gamma; IkB kinase gamma subunit; IkB kinase subunit gamma; IkB kinase-associated protein 1; Ikbkg; IKK-gamma; IKKAP1; IKKG; IMD33; Incontinentia pigmenti; Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase gamma; Inhibitor of kappa light polypeptide gene enhancer in B cells, kinase of, gamma; Inhibitor of nuclear factor kappa-B kinase subunit gamma; IP; IP1; IP2; IPD2; NEMO; NEMO_HUMAN; NF kappa B essential modifier; NF kappa B essential modulator; NF-kappa-B essential modifier; NF-kappa-B essential modulator; ZC2HC9;
Description	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.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	48kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.