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Product datasheet for TA306055

IKK gamma (IKBKG) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ICC, IF, WB
Recommended Dilution:	IKK gamma antibody can be used for detection of IKK gamma by Western blot at 1 µg/mL. A 52 kDa band should be detected. Antibody can also be used for immunocytochemistry starting at 5 µg/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	IKK gamma antibody was raised against a 17 amino acid peptide near the carboxy terminus of human IKK gamma. The immunogen is located within the last 50 amino acids of IKK gamma.
Specificity:	IKK gamma has no cross response to IKK alpha or IKK beta.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1ug/ul
Purification:	IKK gamma Antibody is DEAE purified.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Database Link:	AF074382 Entrez Gene 8517 Human Q9Y6K9

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Background: Nuclear factor kappa B (NF-kappaB) is a ubiquitous transcription factor and an essential mediator of gene expression during activation of immune and inflammatory responses. NF-kappaB mediates the expression of a great variety of genes in response to extracellular stimuli. NF-kappaB is associated with IkB proteins in the cell cytoplasm, which inhibit NF-kappaB activity. The IkB kinase (IKKalpha and IKKbeta) phosphorylates IkB and mediates NF-kappaB activation. A novel molecule in the IKK complex was recently identified and termed IKKgamma/NEMO/FIP3/IKKAP1 (1-5). IKKg interacts with IKKbeta and is required for the activation of IKK complex and NF-kappaB by LPS, PMA, TNF, and IL-1 stimulation (1-4). FIP3 was also shown to bind to RIP and NIK and to mediate TNF-induced NF-kappaB activation (3).

Synonyms: AMCBX1; FIP-3; FIP3; Fip3p; IKK-gamma; IKKAP1; IKKG; IMD33; IP; IP1; IP2; IPD2; NEMO; ZC2HC9