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Product datasheet for TA392534S

IKK gamma (IKBKG) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1:1000~1:2000 IHC: 1:50~1:200 IF: 1:50~1:200
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human IKKγ around the phosphorylation site of Serine 31.
Specificity:	IKKγ (Phospho-S31) polyclonal antibody detects endogenous levels of IKKγ protein only when phosphorylated at Ser31.
Formulation:	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2.
Concentration:	1mg/ml
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Stability:	1 year
Predicted Protein Size:	~ 54 kDa
Gene Name:	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Database Link:	Entrez Gene 8517 Human Q9Y6K9
Background:	Activation of NFkB requires that IkB be phosphorylated on specific serine residues, which results in targeted degradation of IkB. IkB kinase α (IKKα), previously designated CHUK, interacts with IkB-α and specifically phosphorylates I˚Bα on Serine 32 and 36, the sites that trigger its degradation. IKKα appears to be critical for NFkB activation in response to proinflammatory cytokines. Phosphorylation of IkB by IKKα is stimulated by the NFkB inducing kinase (NIK), which itself is a central regulator for NFkB activation in response to TNF and IL-1. The functional IKK complex contains three subunits, IKKα, IKKβ and IKKγ (also designated NEMO), and each appear to make essential contributions to IkB phosphorylation.

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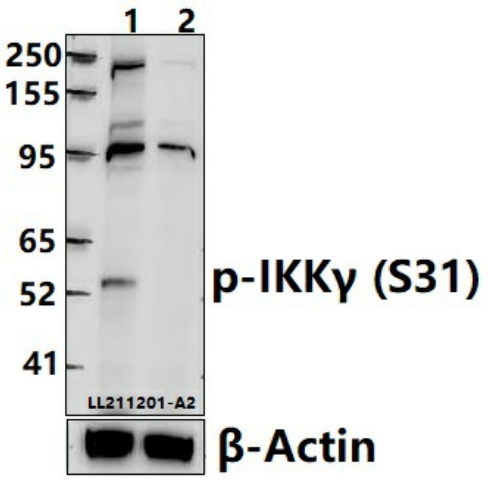
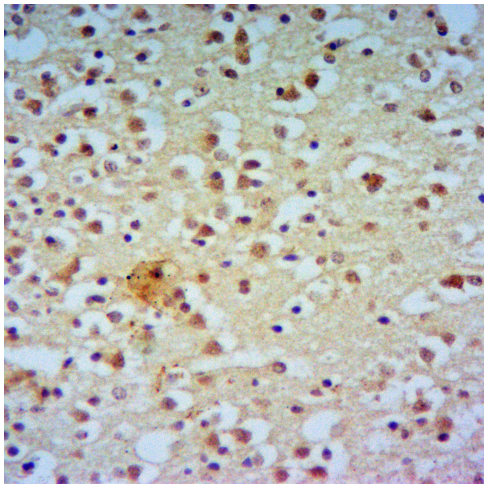
Synonyms: FIP-3; FIP3, NEMO; I-kappa-B kinase subunit gamma; IKBKG; IkB kinase-associated protein 1; IkB kinase subunit gamma; IKK-gamma; IKKAP1; IKKG; Inhibitor of nuclear factor kappa-B kinase subunit gamma; NEMO; NF-kappa-B essential modifier; NF-kappa-B essential modulator

Note: For research use only, not for use in diagnostic procedure.

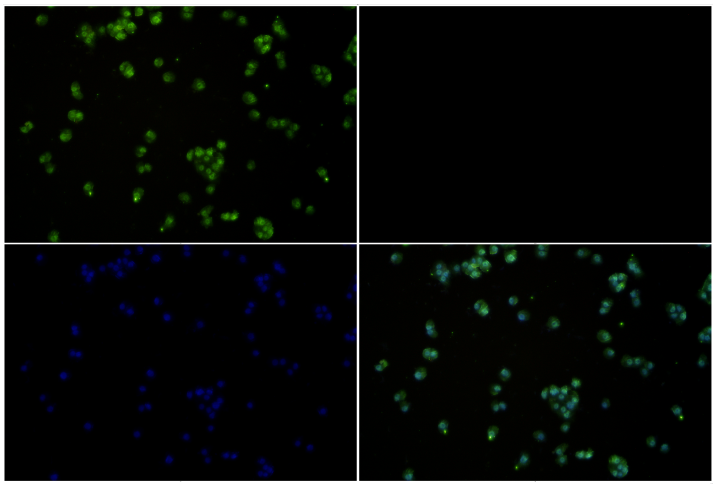
Product images:



Western blot (WB) analysis of IKKγ (Phospho-S31) polyclonal antibody at 1:2000 dilution Lane1:HeLa whole cell lysate(40ug) Lane2:Hela treated with λ-phosphatase whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Human Brain using IKKγ (Phospho-S31)antibody at dilution of 1:50.



Immunofluorescence analysis of Hela cells using IKKγ (Phospho-S31) antibody at dilution of 1:50.