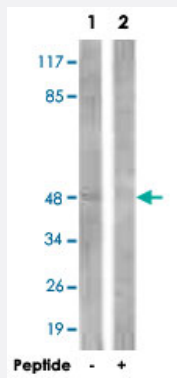


IKBKG polyclonal antibody

Catalog # PAB18156 Size 100 ug

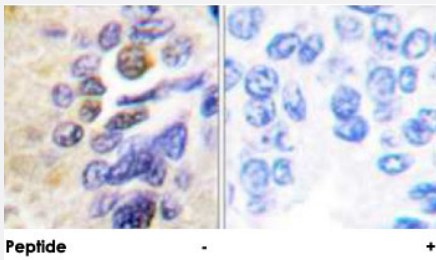
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using IKBKG polyclonal antibody (Cat # PAB18156).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using IKBKG polyclonal antibody (Cat # PAB18156).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of IKBKG.
Immunogen	A synthetic peptide corresponding to human IKBKG.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to IKBKG.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from 293 cells, using IKBKG polyclonal antibody (Cat # PAB18156).
Peptide "+" means "peptide blocking".

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using IKBKG polyclonal antibody (Cat # PAB18156).
Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — IKBKG

Entrez GeneID	8517
Protein Accession#	Q9Y6K9
Gene Name	IKBKG
Gene Alias	AMCBX1, FIP-3, FIP3, Fip3p, IKK-gamma, IP, IP1, IP2, IPD2, NEMO
Gene Description	inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma
Omim ID	300248 300291 300301 300584 300636 308300
Gene Ontology	Hyperlink

Gene Summary

This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which activates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell survival, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectodermal dysplasia, and several other types of immunodeficiencies. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome. [supplied by RefSeq]

Other Designations

NFkappaB essential modulator|OTTHUMP00000026027|OTTHUMP00000026028|OTTHUMP0000026029|incontinentia pigmenti

Publication Reference

- [Sustained activation of protein kinase C downregulates nuclear factor-kappaB signaling by dissociation of IKK-gamma and Hsp90 complex in human colonic epithelial cells.](#)

Park KA, Byun HS, Won M, Yang KJ, Shin S, Piao L, Kim JM, Yoon WH, Junn E, Park J, Seok JH, Hur GM.
Carcinogenesis 2007 Jan; 28(1):71.

Application: IP, KA, WB, Human, Capan2, HCT-116, Hep3B, HM7, LS174T, SW1990, SNU-1, SW480 cells

- [Hsp70 promotes TNF-mediated apoptosis by binding IKK gamma and impairing NF-kappa B survival signaling.](#)

Ran R, Lu A, Zhang L, Tang Y, Zhu H, Xu H, Feng Y, Han C, Zhou G, Rigby AC, Sharp FR.
Genes & Development 2005 Jun; 18(12):1466.

Application: IF, IP, WB, Human, HeLa, Hsp70. 293 cells

- [Nuclear role of I kappa B Kinase-gamma/NF-kappa B essential modulator \(IKK gamma/NEMO\) in NF-kappa B-dependent gene expression.](#)

Verma UN, Yamamoto Y, Prajapati S, Gaynor RB.
The Journal of Biological Chemistry 2004 Jan; 279(5):3509.

Application: IF, WB, Human, HeLa cells

Pathway

- [Acute myeloid leukemia](#)
- [Adipocytokine signaling pathway](#)
- [Apoptosis](#)
- [B cell receptor signaling pathway](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [MAPK signaling pathway](#)
- [Pancreatic cancer](#)
- [Pathways in cancer](#)
- [Primary immunodeficiency](#)
- [Prostate cancer](#)
- [Small cell lung cancer](#)
- [T cell receptor signaling pathway](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)