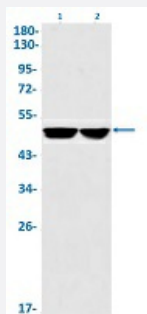


RecomAb™

# IKBKG monoclonal antibody, clone R06-5G4

Catalog # RAB02176      Size 100 uL

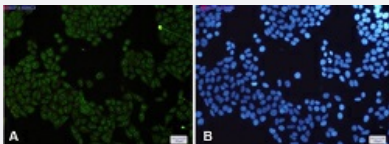
## Applications



### Western Blot

Western Blot analysis of Lane 1: K562 and Lane 2: HeLa lysates with IKBKG recombinant monoclonal antibody, clone R06-5G4 (Cat # RAB02176).

### Immunocytochemistry



Immunocytochemical staining of HeLa with IKBKG recombinant monoclonal antibody, clone R06-5G4 (Cat # RAB02176). (A) IKBKG (green) and (B) DAPI (blue).

## Specification

<b>Product Description</b>	Rabbit recombinant monoclonal antibody raised against human IKBKG.
<b>Antibody Species</b>	Rabbit
<b>Immunogen</b>	Original antibody is raised against recombinant protein corresponding to human IKBKG.
<b>Theoretical MW (kDa)</b>	Calculated MW: 48 kD
<b>Reactivity</b>	Human, Mouse, Rat
<b>Form</b>	Liquid

<b>Purification</b>	Affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunocytochemistry Immunofluorescence(1:50-1:200) Immunoprecipitation(1:20) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
<b>Storage Instruction</b>	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot

Western Blot analysis of Lane 1: K562 and Lane 2: Hela lysates with IKBKG recombinant monoclonal antibody, clone R06-5G4 (Cat # RAB02176).

- Immunocytochemistry

Immunocytochemical staining of Hela with IKBKG recombinant monoclonal antibody, clone R06-5G4 (Cat # RAB02176). (A) IKBKG (green) and (B) DAPI (blue).

- Immunofluorescence

- Immunoprecipitation

## Gene Info — IKBKG

<b>Entrez GeneID</b>	<a href="#">8517</a>
<b>Protein Accession#</b>	<a href="#">Q9Y6K9</a>
<b>Gene Name</b>	IKBKG
<b>Gene Alias</b>	AMCBX1, FIP-3, FIP3, Fip3p, IKK-gamma, IP, IP1, IP2, IPD2, NEMO
<b>Gene Description</b>	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

## 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](#)