

IKK gamma Recombinant Rabbit mAb

Catalog Number: bsm-54012R

Target Protein: IKK gamma

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 4A4

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human (predicted: Mouse, Rat, Pig, Sheep, Cow)

Predicted MW: 48 kDa

Entrez Gene: 8517

Swiss Prot: Q9Y6K9

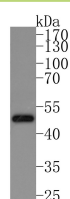
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

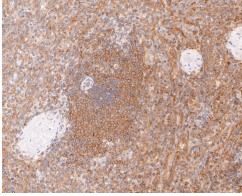
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Pro inflammatory cytokines activate the transcription factor NF kappa B by stimulating the activity of a protein kinase that phosphorylates I kappa B, an inhibitor of NF kappa B, at sites that trigger its ubiquitination and degradation. A large, cytokine responsive I kappa B kinase (IKK) complex has been purified and the genes encoding 2 of its subunits have been cloned. These subunits, IKK alpha and Ikk beta, are protein kinases whose function is needed for NF kappa B activation by pro inflammatory stimuli. IKK is composed of similar amounts of IKK alpha, Ikk beta, which are differentially processed forms of a third subunit, IKK gamma. IKK gamma interacts preferentially with IKK beta and is required for the activation of the IKK complex.

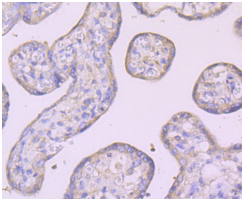
VALIDATION IMAGES



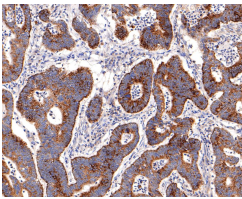
Western blot analysis of IKK gamma on Hela cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (bsm-54012R, 1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:200,000 dilution was used for 1 hour at room temperature. Predicted band size: 48 kDa Observed band size: 48 kDa



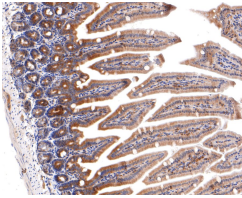
Immunohistochemical analysis of paraffin-embedded human spleen tissue with Rabbit anti-IKK gamma antibody (bsm-54012R) at 1/400 dilution. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (bsm-54012R) at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



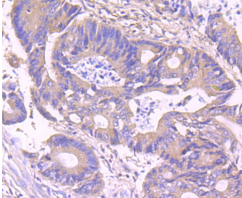
Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-IKK gamma antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (bsm-54012R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue with Rabbit anti-IKK gamma antibody (bsm-54012R) at 1/400 dilution. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (bsm-54012R) at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue with Rabbit anti-IKK gamma antibody (bsm-54012R) at 1/400 dilution. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0) for 2 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (bsm-54012R) at 1/400 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-IKK gamma antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (bsm-54012R, 1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.