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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-NEMO/IKK-gamma IKBKG Antibody

Catalog Number: A00874-1

About IKBKG

Anti-NEMO antibody was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). Anti-NEMO antibody detects recombinant and endogenous NEMO. NEMO, the regulatory subunit of the IKK core complex, phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. Nemo is also considered to be a mediator for TAX activation of NF-kappa-B and may be implicated in NF-kappa-B-mediated protection from cytokine toxicity. NEMO is essential for viral activation of IRF3 and involved in TLR3- and IFIH1-mediated antiviral innate response. The innate antiviral response from NEMO requires 'Lys-27'-linked polyubiquitination. Anti-NEMO is ideal for researchers interested in Immunology and Cancer research.

Overview

Product Name	Anti-NEMO/IKK-gamma IKBKG Antibody
Reactive Species	Human
Description	Boster Bio Anti-NEMO/IKK-gamma IKBKG Antibody (Catalog # A00874-1). Tested in WB applications. This antibody reacts with Human.
Application	ELISA, IP, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	Store vial at -20°C prior to opening. Aliquot contents and freeze at -20°C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4°C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q9Y6K9

Technical Details

Immunogen	Anti-NEMO was affinity purified from whole rabbit serum prepared by repeated immunizations with a recombinant protein of human NEMO.
Predicted Reactive Species	African Green Monkey, Chimpanzee, Zebrafish
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG

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Form	Liquid (sterile filtered)
Concentration	1.1 mg/ml by UV absorbance at 280 nm
Purification	Anti-NEMO is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. This antibody detects human NEMO. Cross-reactivity with NEMO from other sources is unknown.
Suggested Dilutions	ELISA: 1:50,000 - 1:400,000 IP: 5µg WB: 1:500-1:1000 Anti-NEMO antibody has been tested by western blot and is suitable for immunoprecipitation and ELISA. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 48kDa in size corresponding to endogenous NEMO protein by western blotting in the appropriate cell lysate or extract.

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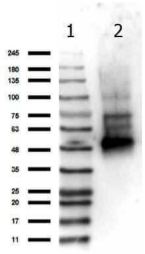
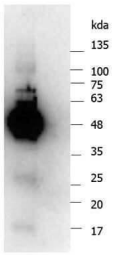
Anti-NEMO/IKK-gamma IKBKG Antibody (A00874-1) Images



Western Blot of Rabbit anti-NEMO antibody. Lane 1: Opal Pre-stained ladder . Lane 2: Recombinant NEMO protein. Load: 175 ng per lane. Primary antibody: NEMO antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:70,000 for 30 min at RT. Blocking Buffer: 30 min at RT. Predicted MW: ~55kDa. Observed MW: ~50kDa for NEMO.



Western Blot of Rabbit anti-NEMO antibody. Marker: Opal Pre-stained ladder . Lane 1: Recombinant NEMO protein. Load: 50 ng per lane. Primary antibody: NEMO antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Blocking Buffer: 30 min at RT. Predicted MW: ~55kDa. Observed MW: ~48kDa for NEMO.

Submit a product review to Biocompare.com

Anti-NEMO/IKK-gamma IKBKG Antibody

For Research Use Only. Not for use in diagnostic procedures.