10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-mouse IKKg(S375) Antibody Blocking peptide

Synthetic peptide
Catalog # BP3129a

Specification

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Product Information

Primary Accession O88522

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Additional Information

Gene ID 16151

Other Names
NF-kappa-B essential modulator, NEMO, IkB kinase-associated protein 1, IKKAP1, mFIP-3, Inhibitor of nuclear factor kappa-B kinase subunit gamma, I-kappa-B kinase subunit gamma, IKK-gamma, IKKG, IkB kinase subunit gamma, NF-kappa-B essential modifier, Ikbkg, Nemo

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP3129a was selected from the region of human Mouse Phospho-IKKg-S375. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Protein Information

Name Ikbkg

Synonyms Nemo

Function
Regulatory subunit of the IKK core complex which 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 (PubMed:9927690). Its binding to scaffolding polyubiquitin plays a key role in IKK activation by multiple signaling receptor pathways. Can recognize and bind both 'Lys- 63'-linked and linear polyubiquitin upon cell stimulation, with a much highr affinity for linear polyubiquitin. Could be implicated in NF- kappa-B-mediated protection from cytokine toxicity. Essential for viral activation of IRF3. Involved in TLR3- and IFIH1-mediated antiviral innate response; this function

requires 'Lys-27'-linked polyubiquitination (By similarity).

Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q9Y6K9}. Nucleus {ECO:0000250|UniProtKB:Q9Y6K9}. Note=Sumoylated NEMO accumulates in the nucleus in response to genotoxic stress {ECO:0000250|UniProtKB:Q9Y6K9}

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Images

Phospho-mouse IKKg(S375) Antibody Blocking peptide - Background

IKKg is a regulatory subunit part of the IKK-signalosome complex activation. It is also considered to be a mediator for TAX activation of NF-kappa-B. Additionally, this protein could be implicated in NF-kappa-B-mediated protection from cytokine toxicity.

Phospho-mouse IKKg(S375) Antibody Blocking peptide - References

J. Cereb. Blood Flow Metab. 25 (10), 1301-1311 (2005)J. Clin. Invest. 115 (4), 849-859 (2005)J. Biol. Chem. 279 (52), 54248-54257 (2004)Mol. Cells 18 (2), 200-206 (2004)Proc. Natl. Acad. Sci. U.S.A. 100 (3), 1203-1208 (2003)