

Anti-Phospho-MKK7/MAP2K7 (S271/T275) Antibody

Catalog Number: P02713

About MAP2K7

MAP2K7 (Mitogen-activated protein kinase kinase 7), also known as MAP kinase kinase 7, MAPKK7, JNKK2, PRKMK7 or MKK7, is an enzyme that in humans is encoded by the MAP2K7 gene. This protein is a member of the mitogen-activated protein kinase kinase family. The MKK7 protein exists as six different isoforms with three possible N-termini (alpha, beta, and gamma isoforms) and two possible C-termini (1 and 2 isoforms). Schramek et al. (2011) showed that the doxorubicin-mediated DNA damage response in human A549 lung carcinoma cells caused rapid phosphorylation and upregulation of p53 (TP53). MKK7 knockdown reduced p53 phosphorylation, delayed p53 upregulation, and interfered with cell cycle arrest at G2/M. MKK7 was activated in primary lung tumors, and tumors with a p53 mutation showed even higher MKK7 phosphorylation. Schramek et al. (2011) concluded that MKK7 exerts its tumor suppressive function through p53.

Overview

Product Name	Anti-Phospho-MKK7/MAP2K7 (S271/T275) Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Phospho-MKK7/MAP2K7 (S271/T275) Antibody catalog # P02713. Tested in WB, IHC applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg stabilizing protein and 50% glycerol This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	12 months from date of receipt at -20°C as supplied. 6 months at 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	O14733

Technical Details

Immunogen	A synthesized peptide derived from human MAP2K7 around the phosphorylation site of Ser271/Thr275.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000
Immunohistochemistry, 1:50-200

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Phospho-MKK7/MAP2K7 (S271/T275) Antibody

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