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

Anti-ATF2 (Thr52) Antibody

Our Anti-ATF2 (Thr52) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is pr
Catalog # AN1318

Product Information

Application	WB
Primary Accession	P15336
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	54537

Additional Information

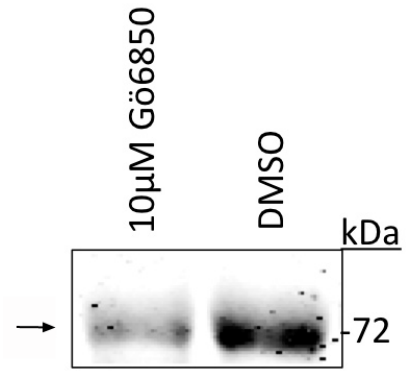
Gene ID	1386
Other Names	Activating transcription factor 2 antibody, Activating transcription factor 2 splice variant ATF2 var2 antibody, ATF 2 antibody, Atf-2 antibody, Atf2 antibody, ATF2 protein antibody, ATF2_HUMAN antibody, cAMP Response Element Binding Protein 2 antibody, cAMP response element binding protein CRE BP1 antibody, cAMP response element-binding protein CRE-BP1 antibody, cAMP responsive element binding protein 2, formerly antibody, cAMP-dependent transcription factor ATF-2 antibody, cAMP-responsive element-binding protein 2 antibody, CRE BP1 antibody, CRE-BP antibody, CREB 2 antibody, CREB-2 antibody, CREB2 antibody, CREBP1 antibody, Cyclic AMP dependent transcription factor ATF 2 antibody, Cyclic AMP-dependent transcription factor ATF-2 antibody, Cyclic AMP-responsive element-binding protein 2 antibody, D130078H02Rik antibody, D18875 antibody, HB 16 antibody, HB16 antibody, Histone acetyltransferase ATF2 antibody, MGC105211 antibody, MGC105222 antibody, MGC111558 antibody, MGC142504 antibody, mXBP antibody, MXBP protein antibody, Tg(Gzma-Klra1)7Wum antibody, TREB 7 antibody, TREB7 antibody
Target/Specificity	The transcription factor ATF2 is a member of the ATF/CREB family of leucine zipper proteins. In response to stress stimuli, it activates a variety of gene targets that are involved in oncogenesis, and has been correlated with maintenance of a cancer cell phenotype (Vlahopoulos et al., 2008). Inhibiting ATF2 impedes melanoma development and elicits tumor suppressor function (Bhoumik et al., 2008). To act as a tumor suppressor, ATF2 must localize at the mitochondria, and phosphorylation at Thr-52 by PKCε regulates this translocation (Lau et al., 2012).
Dilution	WB~~1:1000
Format	Antigen Affinity Purified from Pooled Serum
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions	Anti-ATF2 (Thr52) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

Background

The transcription factor ATF2 is a member of the ATF/CREB family of leucine zipper proteins. In response to stress stimuli, it activates a variety of gene targets that are involved in oncogenesis, and has been correlated with maintenance of a cancer cell phenotype (Vlahopoulos et al., 2008). Inhibiting ATF2 impedes melanoma development and elicits tumor suppressor function (Bhoumik et al., 2008). To act as a tumor suppressor, ATF2 must localize at the mitochondria, and phosphorylation at Thr-52 by PKCε regulates this translocation (Lau et al., 2012).

Images



Western blot of UACC903 melanoma cell line lysate (DMSO) showing specific immunolabeling of the ~ 72 kDa ATF2 protein phosphorylated at Thr52. Immunolabeling is reduced by treatment of the lysate with the PKC catalytic inhibitor G 6850. Image courtesy of Eric Lau and Ze'ev Ronai.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.