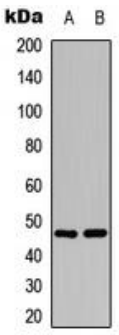
Phospho c-Jun (Thr239) Antibody

CATALOG NO.:	**A1985-100 (100 µl)**

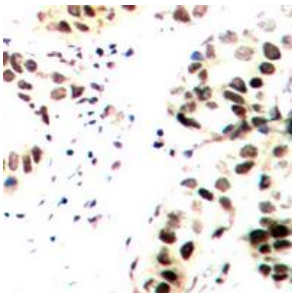
BACKGROUND DESCRIPTION: This gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies.

ALTERNATE NAMES:	Transcription factor AP-1; Activator protein 1; AP1; Proto-oncogene c-Jun; V-jun avian sarcoma virus 17 oncogene homolog; p39
ANTIBODY TYPE:	Polyclonal
HOST/ISOTYPE:	Rabbit / IgG
IMMUNOGEN:	KLH-conjugated synthetic peptide targeting a sequence within the center region of human c-Jun
MOLECULAR WEIGHT:	48 kDa
PURIFICATION:	Affinity purified
FORM:	Liquid
FORMULATION:	In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide
SPECIES REACTIVITY:	Human, Mouse, Rat, Chicken, Porcine, Bovine
STORAGE CONDITIONS:	Store at -20ºC. Avoid freeze / thaw cycles
APPLICATIONS AND USAGE:	WB 1:500 - 1:1000, IHC 1:100 - 1:200, IF 1:100 - 1:500

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user



Western blot analysis of phospho c-Jun (Thr239) expression in HEK293T UV-treated (A); HeLa UV-treated (B) whole cell lysates.



Immunohistochemical analysis of phospho c-Jun (Thr239) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0), then incubated with the antibody at RT and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with hematoxylin and mounted with DPX.

Immunofluorescent analysis of phospho c-Jun (Thr239) staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at RT. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at RT in the dark. DAPI was used to stain the cell nuclei (blue).

RELATED PRODUCTS:

c-Jun antibody (3009)
TLR4 Antibody (3253)
Phospho-c-Jun (Ser73) Antibody (3502)
Anti-Smad4 Rabbit Monoclonal Antibody (A1605)

FOR RESEARCH USE ONLY! Not to be used on humans.