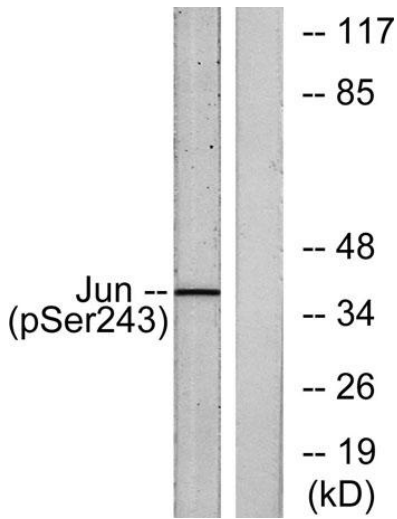
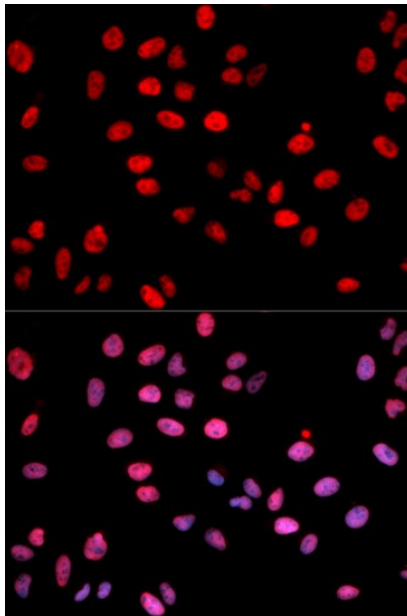
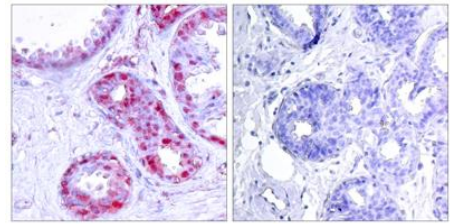

Product name:	Phospho-Jun-(S243)
Cat number:	ABP-0050
Conjugate:	Unconjugated
Size:	100 ug
Clone:	Poly
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human c-Jun around the phosphorylation site of Ser243. AA range:210-259
Reactivity:	Human;Mouse;Rat
Applications:	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300 Immunofluorescence: 1/50-1/200
Molecular Weight:	39-42kD
Purification:	Affinity purification
Form:	liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Background:	c-Jun is a member of the Jun Family containing c-Jun, JunB and JunD, and is a component of the transcription factor AP-1 (activator protein-1). AP-1 is composed of dimers of Fos, Jun and ATF family members and binds to and activates transcription at TRE/AP-1 elements (reviewed in 1). Extracellular signals including growth factors, chemokines and stress activate AP-1-dependent transcription. The transcriptional activity of c-Jun is regulated by phosphorylation at Ser63 and Ser73 through SAPK/JNK (reviewed in 2). Knock-out studies in mice have shown that c-Jun is essential for embryogenesis (3), and subsequent studies have demonstrated roles for c-Jun in various tissues and developmental processes including axon regeneration (4), liver regeneration (5) and T cell development (6). AP-1 regulated genes exert diverse biological functions including cell proliferation, differentiation, and apoptosis, as well as transformation, invasion and metastasis, depending on cell type and context (7-9). Other target genes regulate survival as well as hypoxia and angiogenesis (8,10). c-Jun has emerged as a promising therapeutic target for cancer, vascular remodeling, acute inflammation, as well as rheumatoid arthritis (11,12).



Western blot analysis of lysates from HeLa cells treated with UV, using c-Jun (Phospho-Ser243) Antibody. The lane on the right is blocked with the phospho peptide.



Immunofluorescence analysis of U2OS cell using c-Jun-Phospho-S243 antibody. Blue: DAPI for nuclear staining.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using c-Jun (Phospho-Ser243) Antibody. The picture on the right is blocked with the phospho peptide.