



Phospho-c-Jun Sampler Kit

E051043

Kits Includes	Cat.	Quantity	Application	Reactivity	Source
c-Jun (Phospho-Ser63) Antibody	E011001-1	50µg/50µl	IHC, WB	Human, Mouse	Rabbit
c-Jun (Phospho-Ser73) Antibody	E011003-1	50µg/50µl	IHC, WB	Human, Mouse, Rat	Rabbit
c-Jun (Phospho-Thr91) Antibody	E011021-1	50µg/50µl	IHC, WB	Human, Mouse, Rat	Rabbit
c-Jun (Phospho-Tyr170) Antibody	E011023-1	50µg/50µl	WB	Human, Mouse, Rat	Rabbit
c-Jun (Phospho-Ser243) Antibody	E011025-1	50µg/50µl	IHC, WB	Human, Mouse, Rat	Rabbit

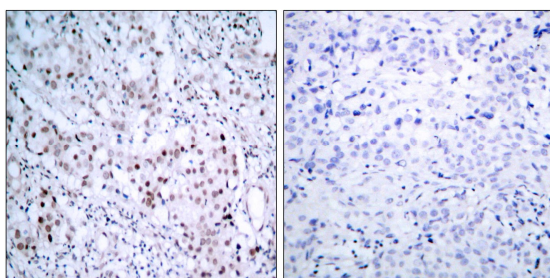
JUN gene is the putative transforming gene of avian sarcoma virus 17. It encodes a protein which is highly similar to the viral protein, and which interacts directly with specific target DNA sequences to regulate gene expression. This gene is intronless and is mapped to 1p32-p31, a chromosomal region involved in both translocations and deletions in human malignancies. Transcription factor that recognizes and binds to the enhancer heptamer motif 5'-TGA[CG]TCA-3'. Phosphorylation enhances the transcriptional activity. Phosphorylated by PRKDC.



c-Jun (Phospho-Ser63) Antibody

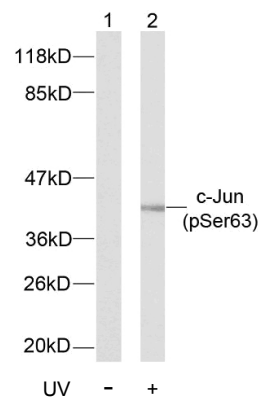
E011001

- Catalog Number:** E011001-1, E011001-2
- Amount:** 50µg/50µl, 100µg/100µl
- Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
- Storage/Stability:** Store at -20 °C / 1 year
- Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of serine 63 (L-T-S^P-P-D).
- Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
- Specificity/Sensitivity:** c-Jun (phospho-Ser63) antibody detects endogenous levels of c-Jun only when phosphorylated at serine 63.
- Reactivity:** Human, Mouse
- Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100
- Swiss-Prot No. :** P05412
- References:** Wei W, et al. (2005). Cancer Cell. 8(1): 25-33.
Sevilla A, et al. (2004). Oncogene.23 (55): 8950-8958.
Li L, et al. (2004). J Biol Chem.279 (6): 4058-4065.
Hurd C, et al. (2002). Oncogene.21 (14): 2154-2160.



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-Jun (phospho-ser63) antibody (E011001).



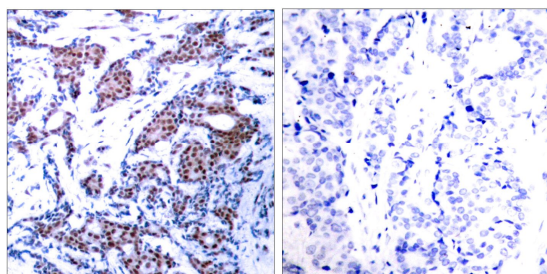
Western blot analysis of extracts from NIH/3T3 cells using c-Jun (phospho-Ser63) antibody (E011001)



c-Jun (Phospho-Ser73) Antibody

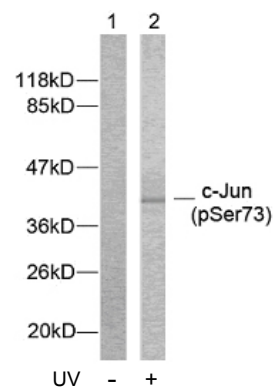
E011003

- Catalog Number:** E011003-1, E011003-2
- Amount:** 50µg/50µl, 100µg/100µl
- Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
- Storage/Stability:** Store at -20 °C / 1 year
- Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of serine 73 (L-A-S^P-P-E).
- Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
- Specificity/Sensitivity:** c-Jun (phospho-Ser73) antibody detects endogenous levels of c-Jun only when phosphorylated at serine 73.
- Reactivity:** Human, Mouse, Rat
- Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100
- Swiss-Prot No. :** P05412
- References:** Sevilla A, et al. (2004) *Oncogene*.23 (55): 8950-8958.
 Beausoleil S A, et al. (2004) *Proc Natl Acad Sci U S A*. 101(33): 12130-12135.
 Binetruy B, et al. (1991) *Nature*. 351:122-127.
 Smeal T, et al. (1991) *Nature*. 354: 494-496.
 Derijard B, et al. (1994) *Cell*. 76:1025-1037.



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-Jun (phospho-Ser73) antibody (E011003).



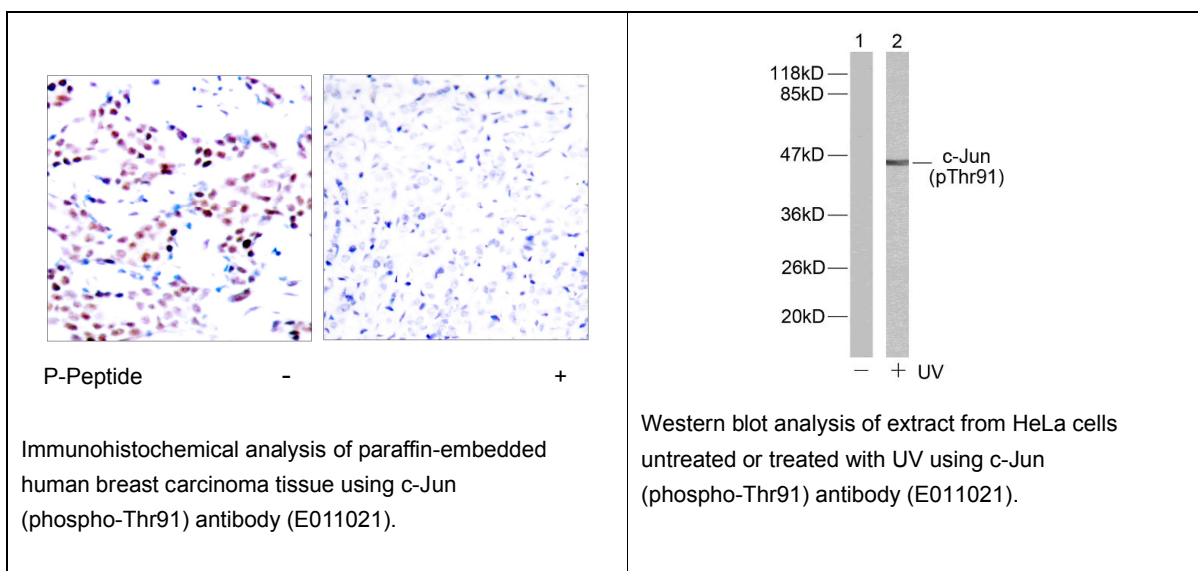
Western blot analysis of extracts from HeLa cells using c-Jun (phospho-Ser73) antibody (E011003).



c-Jun (Phospho-Thr91) Antibody

E011021

- Catalog Number:** E011021-1, E011021-2
- Amount:** 50µg/50µl, 100µg/100µl
- Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
- Storage/Stability:** Store at -20 °C /1 year
- Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of threonine 91 (T-T-T^PP-T).
- Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
- Specificity/Sensitivity:** c-Jun (phospho-Thr91) antibody detects endogenous levels of c-Jun only when phosphorylated at threonine 91.
- Reactivity:** Human, Mouse, Rat
- Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100
- Swiss-Prot No. :** P05412
- References:** Binetruy B, et al. (1991) Nature. 351: 122-127.
Smeal T, et al. (1991) Nature. 354:494-496.
Derijard B, et al. (1994) Cell. 76:1025-1037.
Kyriakis J M, et al. (1994) Nature. 369: 156-160.

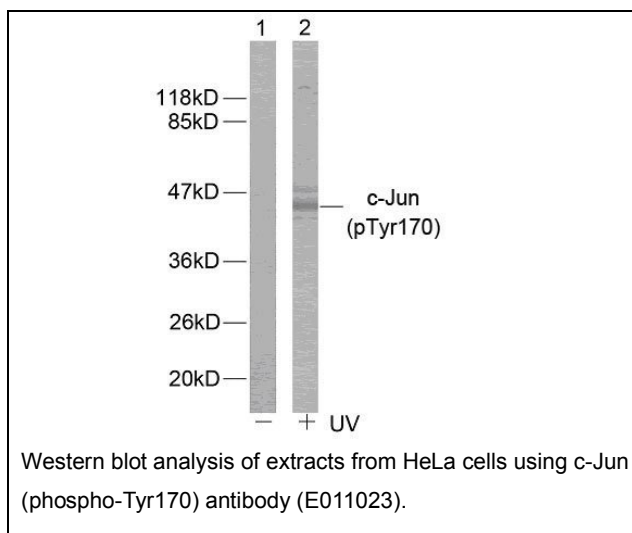




c-Jun (Phospho-Tyr170) Antibody

E011023

- Catalog Number:** E011023-1, E011023-2
Amount: 50µg/50µl, 100µg/100µl
Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage/Stability: Store at -20 °C /1 year
Immunogen: The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of tyrosine 170 (P-V-Y^P-A-N).
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Specificity/Sensitivity: c-Jun (phospho-Tyr170) antibody detects endogenous levels of c-Jun only when phosphorylated at tyrosine 170.
Reactivity: Human, Mouse, Rat
Applications: WB: 1:500~1:1000
Swiss-Prot No. : P05412
References: Barila D, et al. (2000) EMBO J.19(2): 273-281.
Binetruy B, et al. (1991) Nature. 351: 122-127.
Smeal T, et al. (1991) Nature. 354:494-496.
Derijard B, et al. (1994) Cell. 76:1025-1037.
Kyriakis J M, et al. (1994) Nature. 369: 156-160.

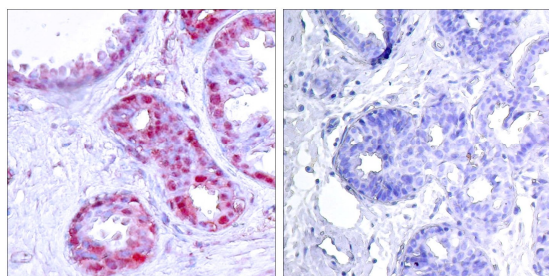




c-Jun (Phospho-Ser243) Antibody

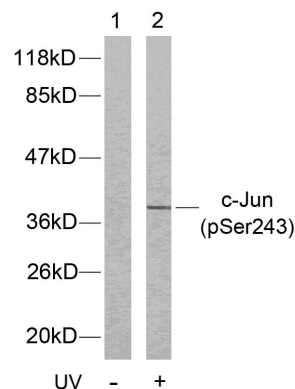
E011025

- Catalog Number:** E011025-1, E011025-2
- Amount:** 50µg/50µl, 100µg/100µl
- Form of Antibody:** Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
- Storage/Stability:** Store at -20 °C /1 year
- Immunogen:** The antiserum was produced against synthesized phosphopeptide derived from human c-Jun around the phosphorylation site of serine 243 (P-L-S^P-P-I).
- Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against nonphosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
- Specificity/Sensitivity:** c-Jun (phospho-Ser243) antibody detects endogenous levels of c-Jun only when phosphorylated at serine 243.
- Reactivity:** Human, Mouse, Rat
- Applications:** WB: 1:500~1:1000 IHC: 1:50~1:100
- Swiss-Prot No. :** P05412
- References:** Boyle W J, et al. (1991) Cell. 64(3): 573-584.
Binetruy B, et al. (1991) Nature. 351: 122-127.
Smeal T, et al. (1991) Nature. 354:494-496.
Derijard B, et al. (1994) Cell. 76:1025-1037.
Kyriakis J M, et al. (1994) Nature. 369: 156-160.



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using c-Jun (phospho-Ser243) antibody (E011025).



Western blot analysis of extract from HeLa cells untreated or treated with UV using c-Jun (phospho-Ser243) antibody (E011025).