

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human c-Jun when phosphorylated at S63 in Western blots.
Source	Recombinant Monoclonal Rabbit IgG Clone # 1018Y
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Phosphopeptide containing the human c-Jun S63 site Accession # P05412
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

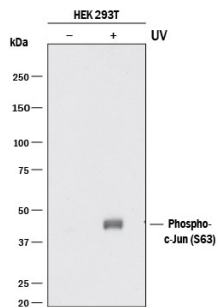
APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below
Immunocytochemistry	1-25 µg/mL	See Below
Simple Western	5 µg/mL	See Below

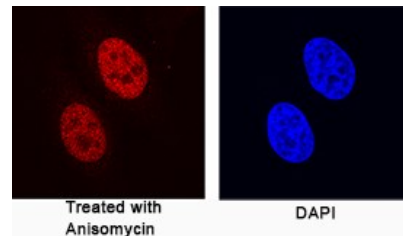
DATA

Western Blot



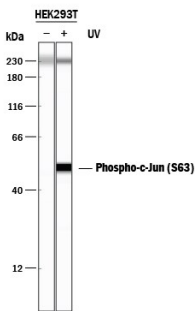
Detection of Human Phospho-c-Jun (S63) by Western Blot. Western blot shows lysates of HEK293T human embryonic kidney cell line untreated (-) or treated (+) with 20 mJ/cm² ultraviolet light (UV) with a 30 minute recovery. PVDF membrane was probed with 0.5 µg/mL of Rabbit Anti-Human Phospho-c-Jun (S63) Monoclonal Antibody (Catalog # MAB8930) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-c-Jun (S63) at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



c-Jun in HeLa Human Cell Line. c-Jun phosphorylated at S63 was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line treated with Anisomycin using Rabbit Anti-Human Phospho-c-Jun (S63) Monoclonal Antibody (Catalog # MAB8930) at 1 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to nuclei. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

Simple Western



Detection of Human Phospho-c-Jun (S63) by Simple Western™. Simple Western lane view shows lysates of HEK293T human embryonic kidney cell line untreated (-) or treated (+) with 20 mJ/cm² ultraviolet light (UV) with a 30 minute recovery, loaded at 0.2 mg/mL. A specific band was detected for Phospho-c-Jun (S63) at approximately 49 kDa (as indicated) using 5 µg/mL of Rabbit Anti-Human Phospho-c-Jun (S63) Monoclonal Antibody (Catalog # MAB8930). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system. Non-specific interaction with the 230 kDa Simple Western standard may be seen with this antibody.



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from date of receipt, -20 to -70 °C as supplied.• 1 month, 2 to 8 °C under sterile conditions after reconstitution.• 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

c-Jun is one of three Jun family proteins making up the Activator Protein-1 (AP-1) transcription factor group. c-Jun acts as a positive regulator of cell proliferation and can induce oncogenic transformation.