Phospho-JNK1/2/3-T183/T183/T221 Monoclonal Antibody

CABP0631

Description

This Phospho-JNK1/2/3-T183/T183/T221 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CABP0631
Contents:	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	JNK1/JNK2/JNK3, Phospho-JNK1/2/3-T183/T183/T221
Clone:	ARC0193
Applications:	WB IHC-P IF/ICC ELISA
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	5599 5601 5602
Uniprot:	AB_2771232
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	46kDa/54kDa
Calculated MW:	35kDa/44kDa/48kDa/27kDa/52kDa

Preparation & Storage

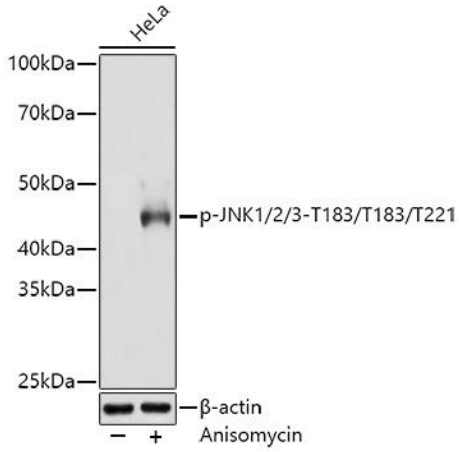
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	HeLa treated with Anisomycin, NIH/3T3 treated with UV, C6 treated with UV

Recommended Dilutions:

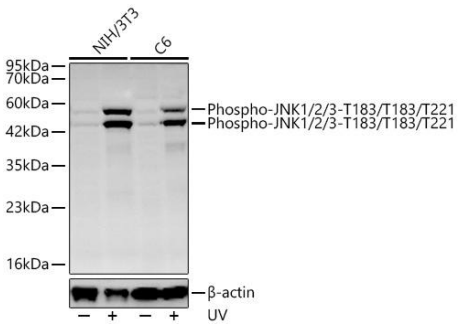
WB	1:1000 - 1:5000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Protein Quantification (Optional): To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

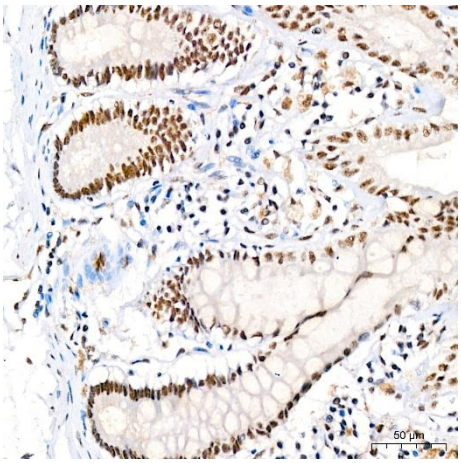
Validation Data



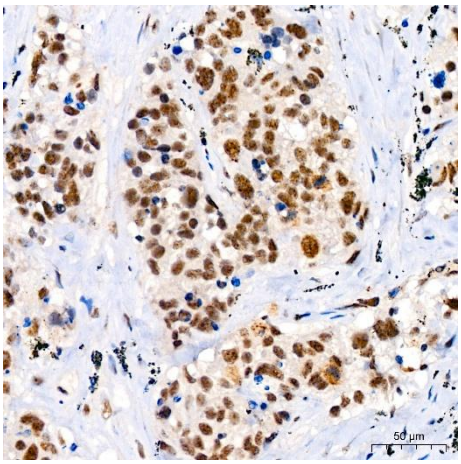
Western blot analysis of lysates from HeLa cells, using Phospho-/2/3-// Rabbit mAb (CABP0631) at 1:3000 dilution. HeLa cells were treated with Anisomycin (25 µg/mL) at 37°C for 30 minutes after serum-starvation overnight. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 180s.



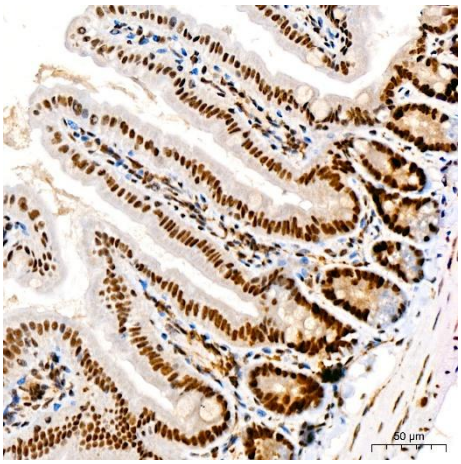
Western blot analysis of various lysates using Phospho-/2/3-// Rabbit mAb (CABP0631) at 1:1000 dilution incubated overnight at 4°C. NIH/3T3 cells and cells were treated with UV at room temperature for 15-30 minutes. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 30 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90s.



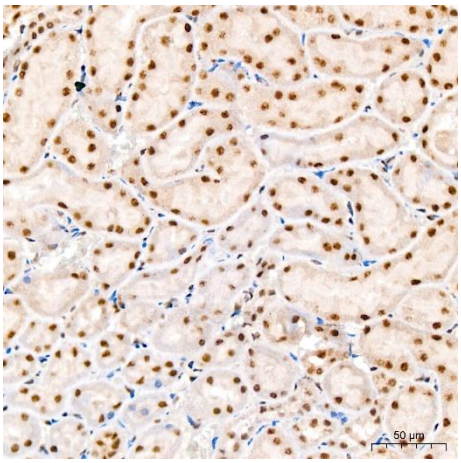
Immunohistochemistry analysis of paraffin-embedded Human colon using Phospho-/2/3-// Rabbit mAb (CABP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



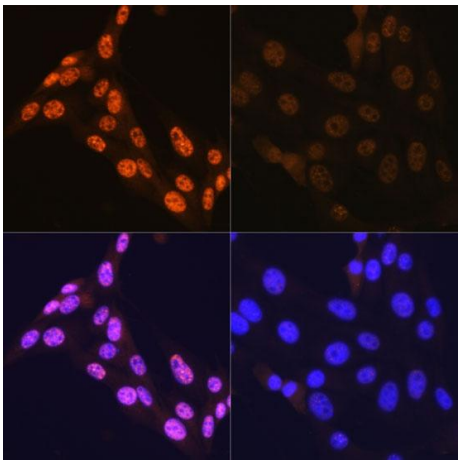
Immunohistochemistry analysis of paraffin-embedded Human lung squamous carcinoma tissue using Phospho-/2/3-// Rabbit mAb (CABP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse colon using Phospho-/2/3-// Rabbit mAb (CABP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using Phospho-/2/3-// Rabbit mAb (CABP0631) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunofluorescence analysis of NIH-3T3 cells using Phospho-/2/3-// Rabbit mAb (CABP0631).NIH-3T3 cells were treated with Anisomycin (25 µg/mL) at 37℃ for 30 minutes after serum-starvation overnight. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (CABS007) at 1:500 dilution. Blue: DAPI for nuclear staining.