

Lamin A / C Polyclonal Antibody

Catalog No: tcba178

KO VALIDATED



Available Sizes

Size: 50ul

Size: 100ul

Size: 200ul



Specifications

Research Area:

Cancer, Stem cells, AKT pathway, Developmental Biology, PI3K-Akt pathway,

Species Reactivity:

Human, Mouse, Rat

Host Species:

Rabbit

Immunogen / Amino acids:

Recombinant fusion protein containing a sequence corresponding to amino acids 403-572 of human Lamin C (NP_005563.1).

Isotype:

IgG

Form:

Liquid

Storage Buffer:

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Recommended Dilution:

WB 1:500 - 1:2000

IHC 1:50 - 1:200

IF 1:50 - 1:200

IP 1:50 - 1:200

Tested Application:

WB,IHC,IF,IP

Storage Instruction:

Store at -20°C. Avoid freeze / thaw cycles.

Alternative Names:

LMNA; CDCD1; CDDC; CMD1A; CMT2B1; EMD2; FPL; FPLD; FPLD2; HGPS; IDC; LDP1; LFP; LGMD1B; LMN1; LMNC; LMNL1; MADA; PRO1; lamin; Lamin A/C

SwissProt:

P02545

Gene ID:

4000 (human);

Calculated Molecular Weight:

62-74kDa

Sequence:

SSHSSQTQGGGSVTKKRKLESTESRSSFSQHARTSGRVAVEEVDEEGKFVRLRNKSNEDQSMGNWQIKRQNGDDPLLTYRFPPKFTLK
AGQVVTIWAAGAGATHSPPTDLVWKAQNTWGCNSLRTALINSTGEEVAMRKLVRVSVTVVEDEDEDGDDLLHHHHVSGSRR

Purification:

Affinity purification

Positive Control:

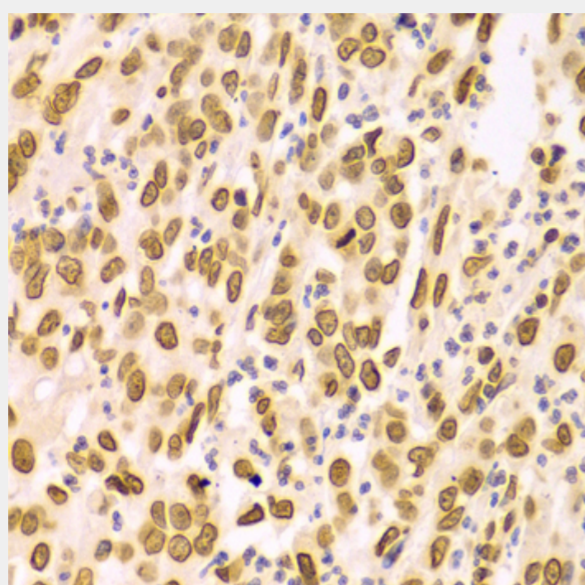
HeLa, C6

Cellular Location:

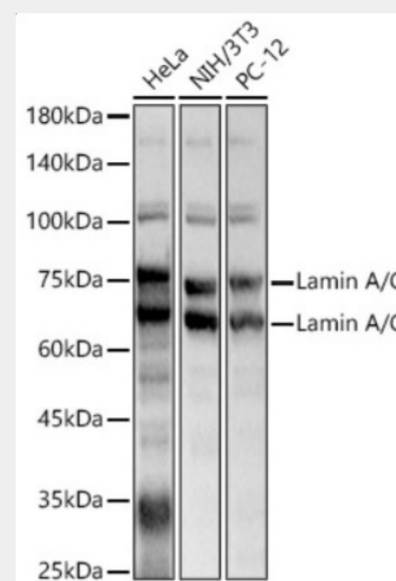
Nucleus,Nucleus envelope,Nucleus lamina,Nucleus speckle,nucleoplasm,

Product Description

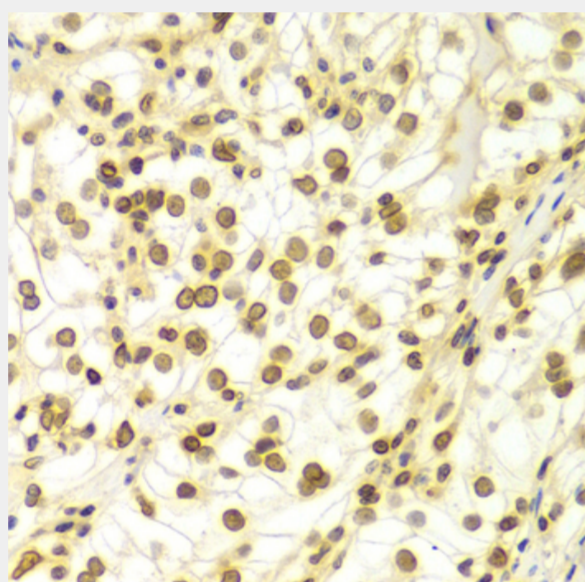
The nuclear lamina consists of a two-dimensional matrix of proteins located next to the inner nuclear membrane. The lamin family of proteins make up the matrix and are highly conserved in evolution. During mitosis, the lamina matrix is reversibly disassembled as the lamin proteins are phosphorylated. Lamin proteins are thought to be involved in nuclear stability, chromatin structure and gene expression. Vertebrate lamins consist of two types, A and B. Alternative splicing results in multiple transcript variants. Mutations in this gene lead to several diseases: Emery-Dreifuss muscular dystrophy, familial partial lipodystrophy, limb girdle muscular dystrophy, dilated cardiomyopathy, Charcot-Marie-Tooth disease, and Hutchinson-Gilford progeria syndrome.



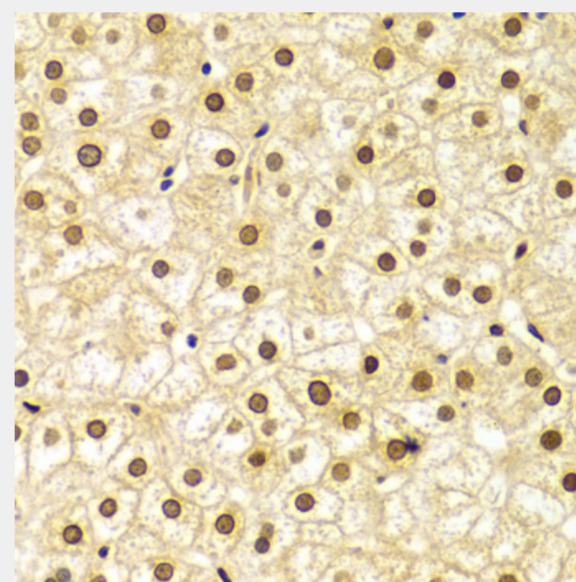
Immunohistochemistry of paraffin-embedded Human gastric cancer using Lamin A/C antibody at dilution of 1:100 (40x lens).



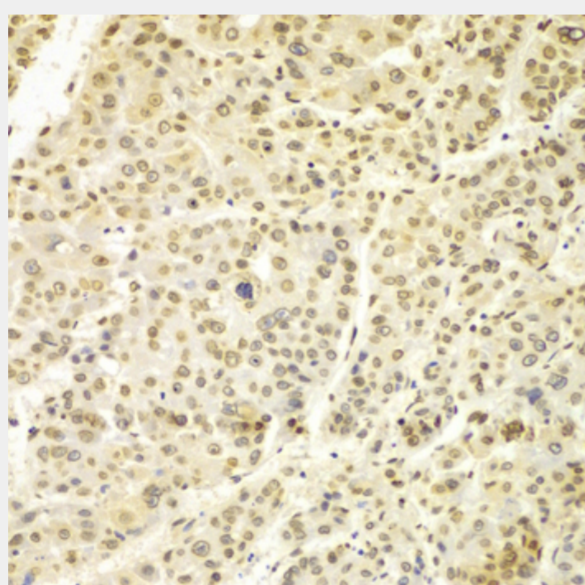
Immunohistochemistry of paraffin-embedded Human kidney using Lamin A/C antibody at dilution of 1:100 (40x lens).



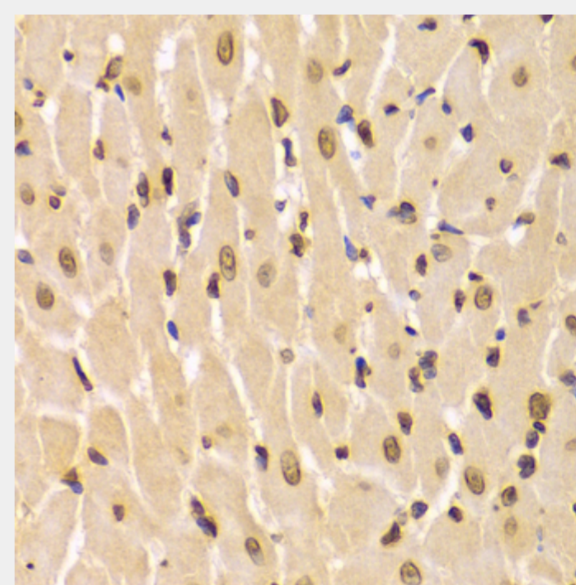
Immunohistochemistry of paraffin-embedded Human kidney cancer using Lamin A/C antibody at dilution of 1:100 (40x lens).



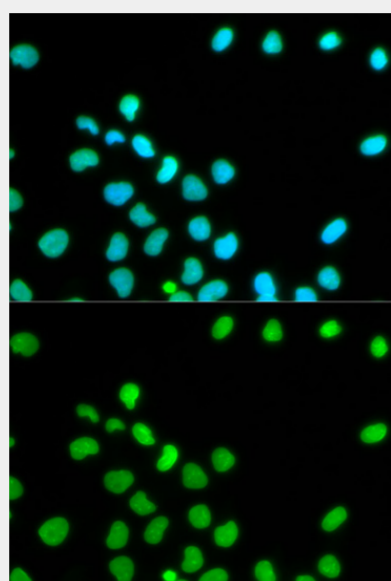
Immunohistochemistry of paraffin-embedded Human liver injury using Lamin A/C antibody at dilution of 1:100 (40x lens).



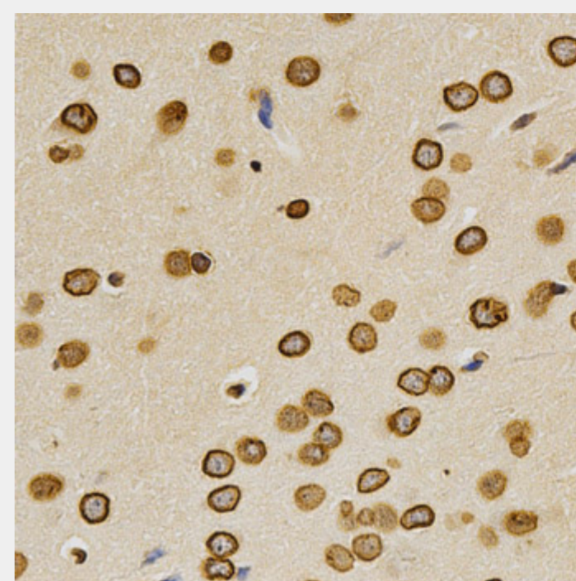
Immunohistochemistry of paraffin-embedded human liver cancer using Lamin A/C antibody at dilution of 1:100 (40x lens).



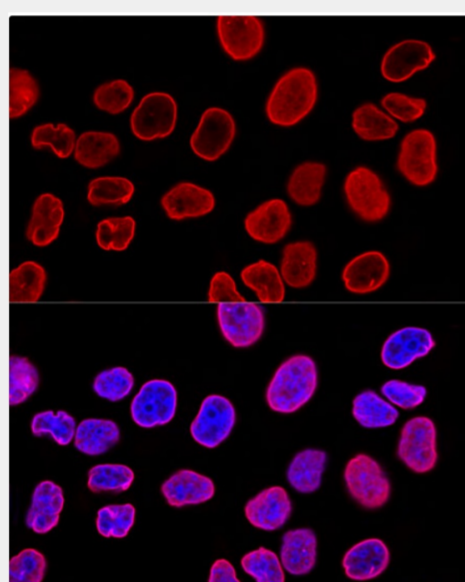
Immunohistochemistry of paraffin-embedded Rat heart using Lamin A/C antibody at dilution of 1:100 (40x lens).



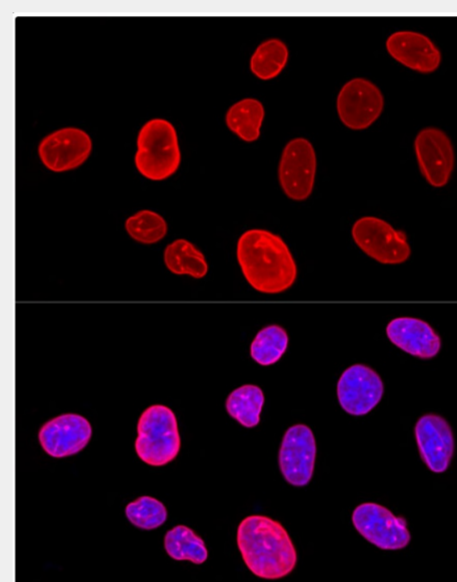
Immunofluorescence analysis of HeLa cells using Lamin A/C antibody. Blue: DAPI for nuclear staining.



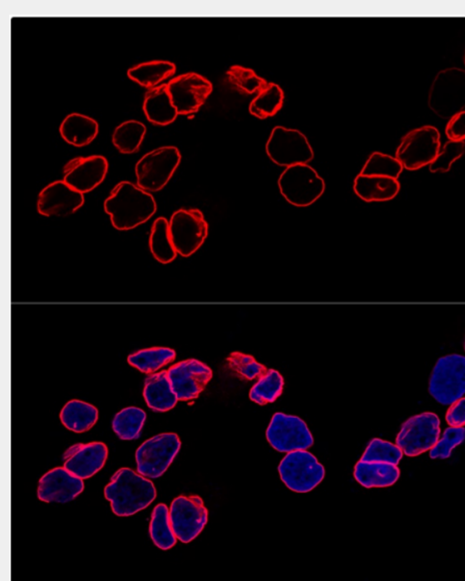
Immunohistochemistry of paraffin-embedded rat brain using Lamin A/C antibody at dilution of 1:200 (40x lens).



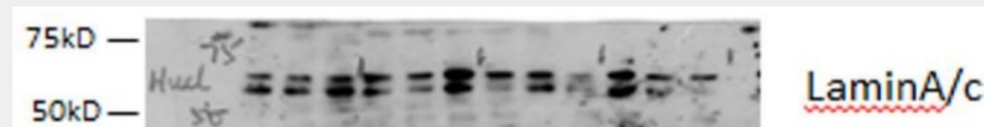
Confocal immunofluorescence analysis of HeLa cells using Lamin A/C Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

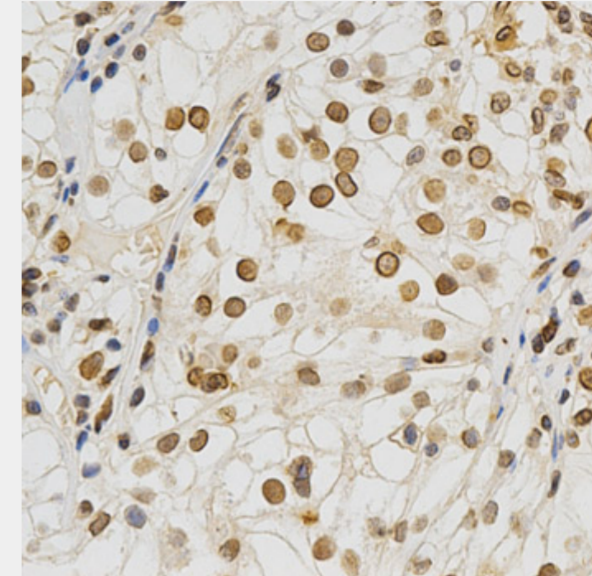


Confocal immunofluorescence analysis of U-2 OS cells using Lamin A/C Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

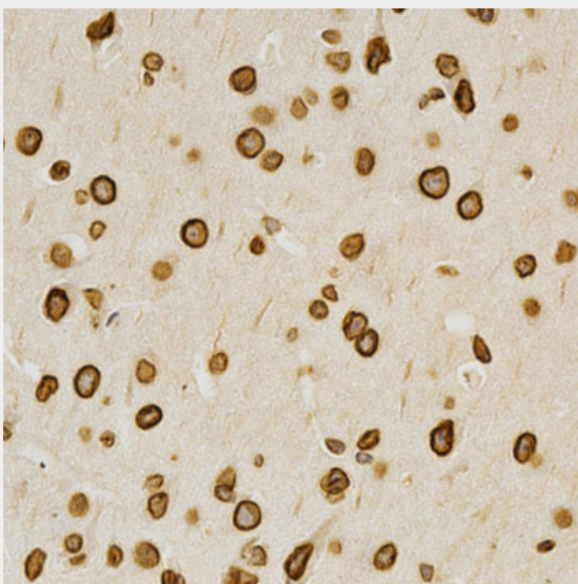


Confocal immunofluorescence analysis of A-431 cells using Lamin A/C Polyclonal Antibody at dilution of 1:200. Blue: DAPI for nuclear staining.

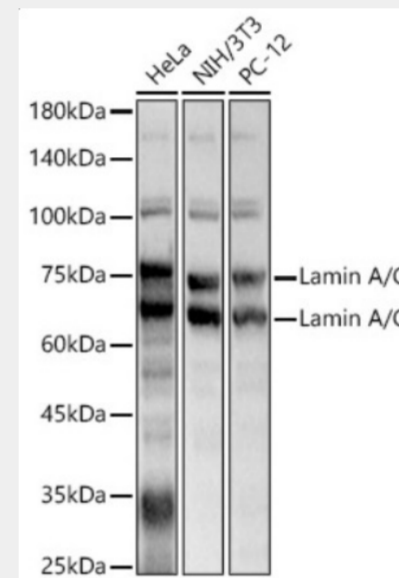




Immunohistochemistry of paraffin-embedded human kidney cancer using Lamin A/C antibody at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using Lamin A/C antibody at dilution of 1:200 (40x lens).

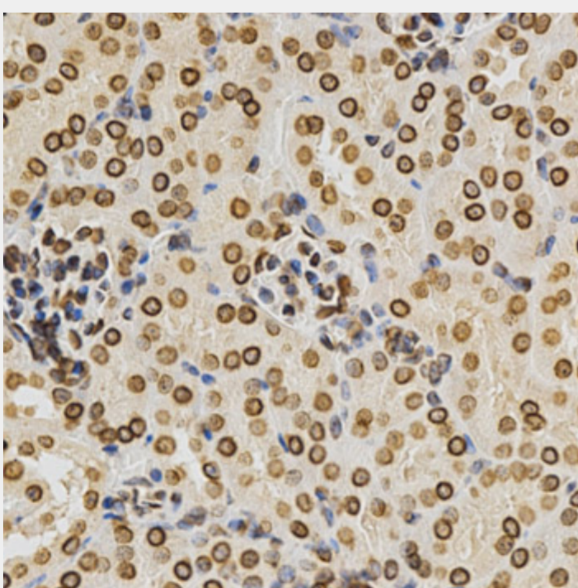


Western blot analysis of extracts of various cell lines, using Lamin A/C antibody at 1:1000 dilution.

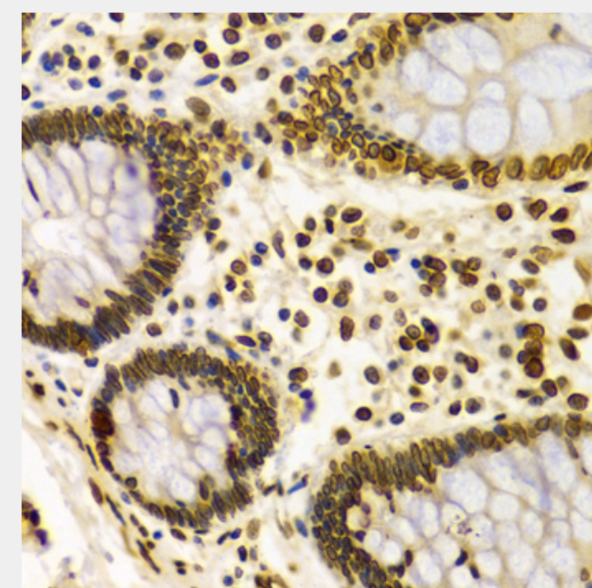
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

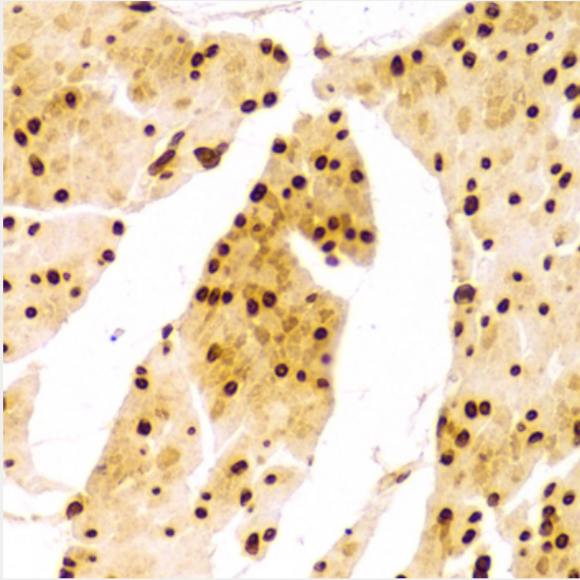
Blocking buffer: 3% nonfat dry milk in TBST. Exposure time: 1s.



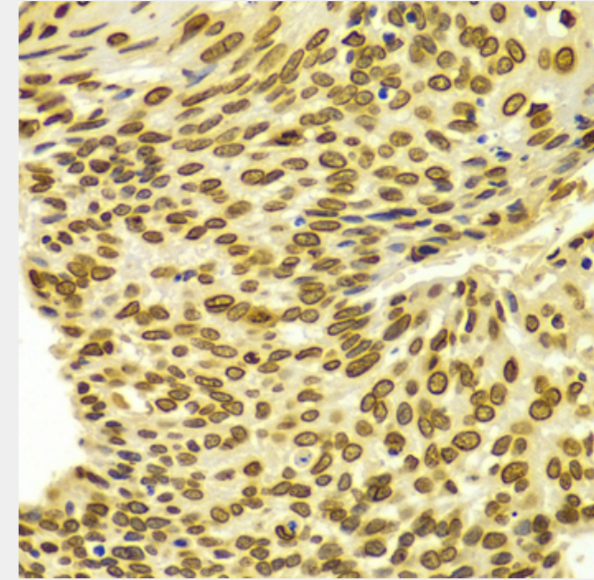
Immunohistochemistry of paraffin-embedded mouse kidney using Lamin A/C antibody at dilution of 1:200 (40x lens).



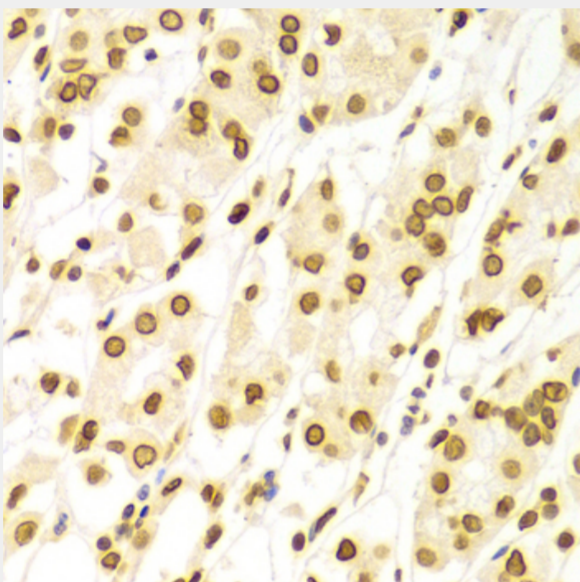
Immunohistochemistry of paraffin-embedded Human colon using Lamin A/C antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human esophageal using Lamin A/C antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded human esophageal cancer using Lamin A/C antibody at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded Human gastric using Lamin A/C antibody at dilution of 1:100 (40x lens).

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