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Product Data Sheet

Anti-Lamin A/C (Phospho-S22) Antibody

Catalog #	Source	Reactivity	Applications
CPA6062	Rabbit	H, M, R, B, Mk, P	WB, IH

Description	Rabbit polyclonal antibody to Lamin A/C (Phospho-S22)
Immunogen	KLH-conjugated synthetic phosphopeptide corresponding to residues surrounding S22 of human Lamin A/C protein. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of Lamin A/C protein only when phosphorylated at S22.
Clonality	Polyclonal
Conjugation	
Form	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Dilution	WB (1/500 - 1/1000), IH (1/50 - 1/200)
Gene Symbol	LMNA
Alternative Names	LMN1; Prelamin-A/C
Entrez Gene	4000 (Human); 16905 (Mouse); 60374 (Rat)
SwissProt	P02545 (Human); P48678 (Mouse); P48679 (Rat)
Storage/Stability	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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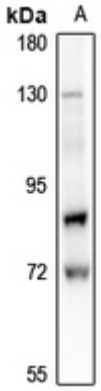
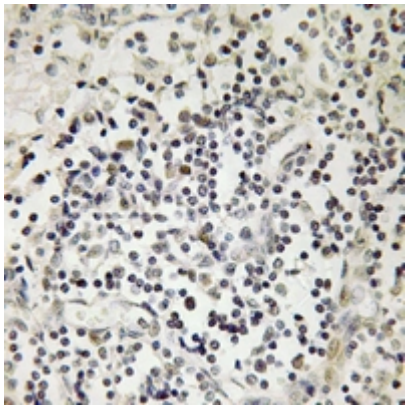


Western blot analysis of Lamin A/C (Phospho-S22) expression in A375 (A) whole cell lysates. (Predicted band size: 74 kD; Observed band size: 78; 69 kD)



Immunohistochemical analysis of Lamin A/C (Phospho-S22) staining in human lymph node formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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