

Lamin B2 Monoclonal Antibody

CAB5001

Description

This Lamin B2 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: CAB5001
Contents: 20 µL, 100 µL
Bradford Reagent: 1 vial (2ml)
Category: Monoclonal Antibody
Synonyms: EPM9, LMN2, LAMB2, MCPH27, Lamin B2
Clone: ARC1252
Applications: **WB** | **IHC-P** | **IF/ICC** | **ELISA**
Conjugation: Unconjugated
Reactivity: Human, Mouse, Rat

Antibody Data

Gene ID: 84823
Uniprot: AB_2863410
Host Species: Rabbit
Purification: Affinity purification
Observed MW: 68kDa
Calculated MW: 70kDa

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.

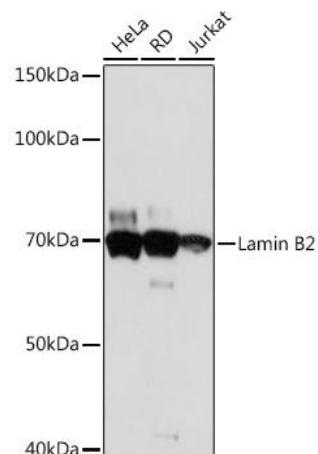
Positive Sample: HeLa, RD, Jurkat

Recommended Dilutions:

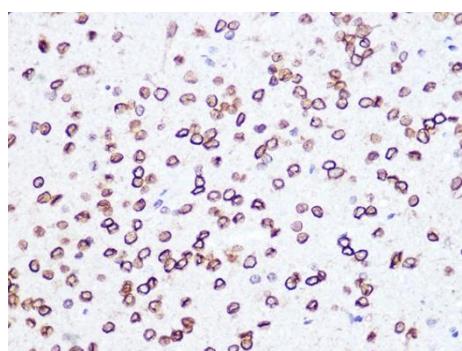
WB	1:500 - 1:1000
IHC-P	1:50 - 1:200
IF/ICC	1:50 - 1:200
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

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

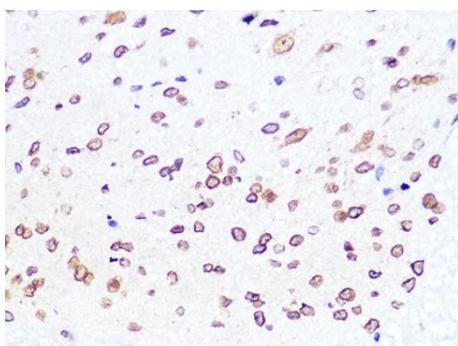
Validation Data



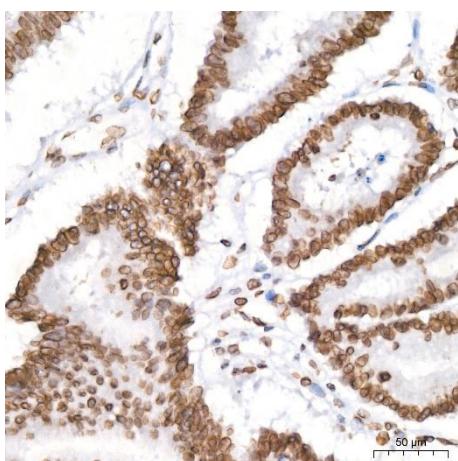
Western blot analysis of various lysates using Lamin B2 Rabbit mAb (CAB5001) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.



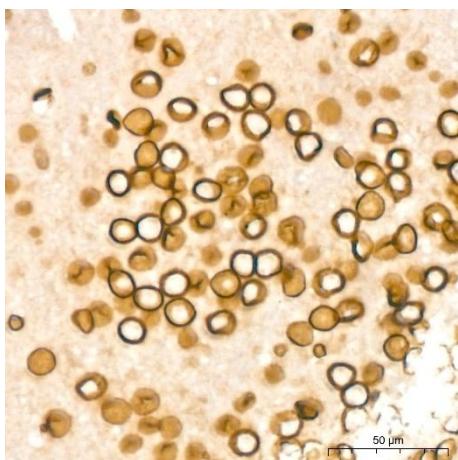
Immunohistochemistry analysis of paraffin-embedded Rat brain using Lamin B2 Rabbit mAb (CAB5001) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



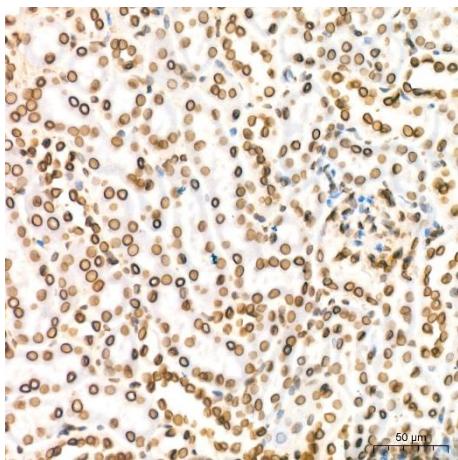
Immunohistochemistry analysis of paraffin-embedded Mouse spinal cord using Lamin Rabbit mAb (CAB5001) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



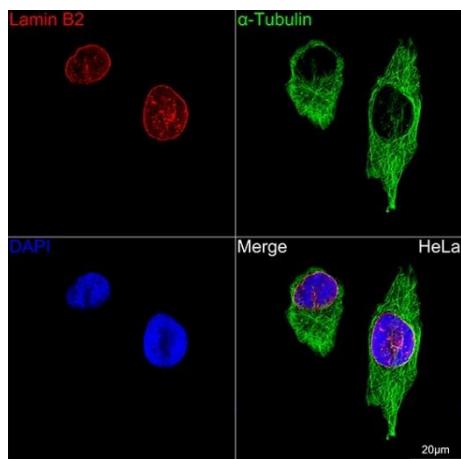
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using Lamin Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using Lamin Rabbit mAb at a 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 kidney tissue using Lamin Rabbit mAb at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Confocal imaging of HeLa cells using Lamin Rabbit mAb (CAB5001, dilution 1:100) (Red). The cells were counterstained with α -Tubulin Rabbit mAb (, dilution 1:100) (Green). DAPI was used for nuclear staining (blue). Objective: 60x.