Recombinant Lamin-B1 / LMNB1 Antibody

Rabbit Monoclonal Antibody [Clone LMNB1/17953R]

Catalog No	Format	Size
4001-RBM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4001-RBM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4001-RBM2-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

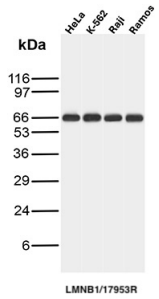
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

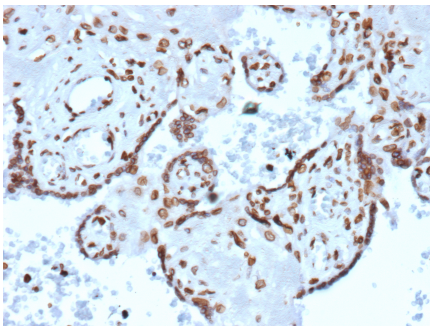
Clone	LMNB1/17953R
Immunogen	Synthetic peptide (c-VKVILKNSQGEEVA) of human LMNB1 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	66.41kDa
Cellular Localization	Nucleus lamina
Species Reactivity	Human
Positive Control	Human kidney, colon or tonsil.

**Optimal dilution for a specific application should be determined.*

Product Images for Recombinant Lamin-B1 / LMNB1 Antibody



Western blot analysis of HeLa, K-562, Raji and Ramos cell lysates using Lamin B1 Recombinant Rabbit Monoclonal Antibody (LMNB1/17953R).



Formalin-fixed, paraffin-embedded human placenta stained with Lamin B1 Recombinant Rabbit Monoclonal Antibody (LMNB1/17953R).

Specificity & Comments

Lamins are intermediate filament proteins that assemble into a filamentous meshwork, and which constitute the major components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane (PubMed:28716252, PubMed:32910914). Lamins provide a framework for the nuclear envelope, bridging the nuclear envelope and chromatin, thereby playing an important role in nuclear assembly, chromatin organization, nuclear membrane and telomere dynamics (PubMed:28716252, PubMed:32910914). The structural integrity of the lamina is strictly controlled by the cell cycle, as seen by the disintegration and formation of the nuclear envelope in prophase and telophase, respectively (PubMed:28716252, PubMed:32910914).

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.