

# Lamin B Receptor/LBR Rabbit pAb

Catalog # AP53604

## Product Information

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|-------------------|------------------------|
| Primary Accession | <a href="#">Q14739</a> |
| Host              | Rabbit                 |
| Clonality         | Polyclonal Antibody    |
| Calculated MW     | 70703                  |

## Additional Information

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|-------------|------------------------------------------------------------------------------------------|
| Gene ID     | 3930                                                                                     |
| Other Names | PHA; LMN2R; PHASK; TDRD18; DHCR14B                                                       |
| Storage     | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |

## Protein Information

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| Name              | LBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Function          | Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis (PubMed: <a href="#">12618959</a> , PubMed: <a href="#">16784888</a> , PubMed: <a href="#">21327084</a> , PubMed: <a href="#">27336722</a> , PubMed: <a href="#">9630650</a> ). Plays a critical role in myeloid cell cholesterol biosynthesis which is essential to both myeloid cell growth and functional maturation (By similarity). Mediates the activation of NADPH oxidases, perhaps by maintaining critical levels of cholesterol required for membrane lipid raft formation during neutrophil differentiation (By similarity). Anchors the lamina and the heterochromatin to the inner nuclear membrane (PubMed: <a href="#">10828963</a> ). |
| Cellular Location | Nucleus inner membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane. Cytoplasm Nucleus. Note=Nucleus; nuclear rim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tissue Location   | Expressed in the bone marrow, liver, heart, adrenal gland, lung, placenta and uterus (PubMed: <a href="#">16784888</a> ). Expressed in osteoclasts and osteoblast-like cells (PubMed: <a href="#">21327084</a> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

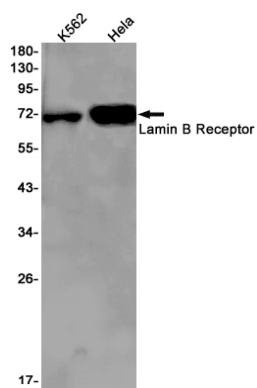
## Background

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Swiss-Prot Acc.Q14739.Anchors the lamina and the heterochromatin to the inner nuclear membrane.

## Images

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Western blot detection of Lamin B Receptor in K562, HeLa cell lysates using Lamin B Receptor Rabbit pAb(1:1000 diluted). Predicted band size: 71 kDa. Observed band size: 71 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.