

Lamin B Receptor/LBR Rabbit pAb
Catalog # AP53604**Specification****Lamin B Receptor/LBR Rabbit pAb - Product Information**

Application	WB
Primary Accession	Q14739
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal Antibody
Calculated MW	70703

Lamin B Receptor/LBR Rabbit pAb - Additional Information

Gene ID 3930

Other Names

PHA; LMN2R; PHASK; TDRD18; DHCR14B

Dilution

WB~~1:1000

Lamin B Receptor/LBR Rabbit pAb - Protein Information

Name LBR

Function

Catalyzes the reduction of the C14-unsaturated bond of lanosterol, as part of the metabolic pathway leading to cholesterol biosynthesis (PubMed:[12618959](http://www.uniprot.org/citations/12618959), PubMed:[16784888](http://www.uniprot.org/citations/16784888), PubMed:[21327084](http://www.uniprot.org/citations/21327084), PubMed:[27336722](http://www.uniprot.org/citations/27336722), PubMed:[9630650](http://www.uniprot.org/citations/9630650)). 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:[10828963](http://www.uniprot.org/citations/10828963)).

Cellular Location

Nucleus inner membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane. Cytoplasm Nucleus. Note=Nucleus; nuclear rim

Tissue Location

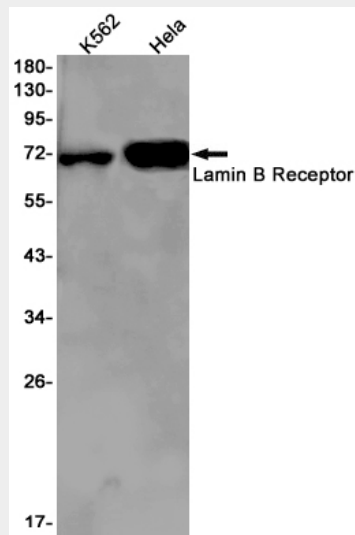
Expressed in the bone marrow, liver, heart, adrenal gland, lung, placenta and uterus (PubMed:16784888). Expressed in osteoclasts and osteoblast-like cells (PubMed:21327084)

Lamin B Receptor/LBR Rabbit pAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lamin B Receptor/LBR Rabbit pAb - Images



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.

Lamin B Receptor/LBR Rabbit pAb - Background

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