

LBR / Lamin B Receptor Antibody (aa178-190)
Goat Polyclonal Antibody
Catalog # ALS13853

Specification

LBR / Lamin B Receptor Antibody (aa178-190) - Product Information

Application	IHC
Primary Accession	O14739
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	71kDa KDa

LBR / Lamin B Receptor Antibody (aa178-190) - Additional Information

Gene ID 3930

Other Names

Lamin-B receptor, Integral nuclear envelope inner membrane protein, LMN2R, LBR

Target/Specificity

Human LBR.

Reconstitution & Storage

Store at -20°C. Minimize freezing and thawing.

Precautions

LBR / Lamin B Receptor Antibody (aa178-190) is for research use only and not for use in diagnostic or therapeutic procedures.

LBR / Lamin B Receptor Antibody (aa178-190) - 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

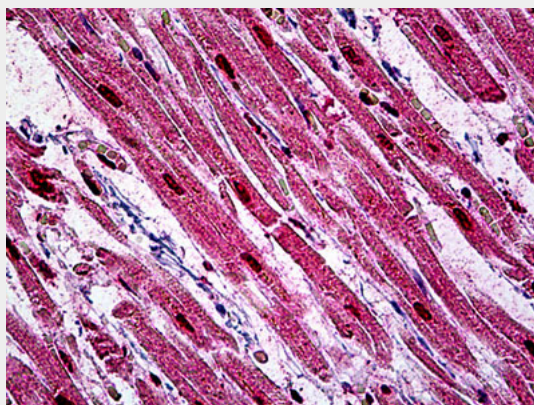
Tissue Location

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

LBR / Lamin B Receptor Antibody (aa178-190) - 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](#)

LBR / Lamin B Receptor Antibody (aa178-190) - Images

Anti-LBR antibody IHC of human heart.

LBR / Lamin B Receptor Antibody (aa178-190) - Background

Anchors the lamina and the heterochromatin to the inner nuclear membrane.

LBR / Lamin B Receptor Antibody (aa178-190) - References

- Ye Q., et al. J. Biol. Chem. 269:11306-11311(1994).
Schuler E., et al. J. Biol. Chem. 269:11312-11317(1994).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Totoki Y., et al. Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Suzuki Y., et al. Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.