

Rabbit anti-Human, Mouse LBR Polyclonal Antibody | anti-LBR antibody

LBR Antibody

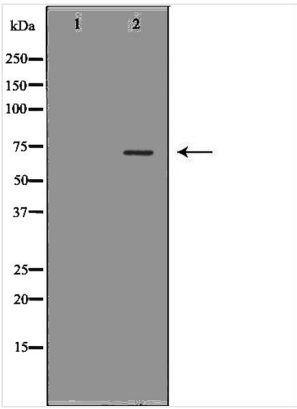
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327057	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

LBR; Polyclonal Antibody; LBR Antibody; DHCR 14B; DHCR14B; Integral nuclear envelope inner membrane protein; Lamin-B receptor; LBR_HUMAN; LMN 2R; LMN2R; MGC9041; PHA; PRO0650; anti-LBR antibody

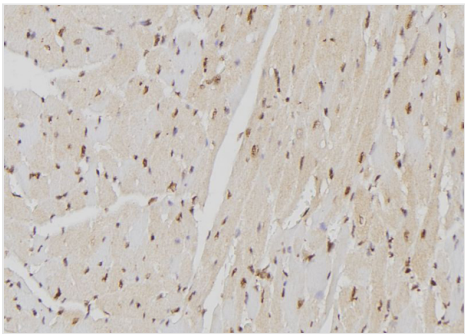
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	LBR antibody detects endogenous levels of total LBR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	615
Applicable Applications for anti-LBR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LBR
Subcellular Location	Nucleus Inner Membrane.
Predicted Cross Reactivity	Pig
Similarity	Pig (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using LBR Antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA327057 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-LBR antibody

Description: The protein encoded by this gene belongs to the ERG4/ERG24 family. It localized in the nuclear envelope inner membrane and anchors the lamina and the heterochromatin to the membrane. It may mediate interaction between chromatin and lamin B. Mutations of this gene has been associated with autosomal recessive HEM/Greenberg skeletal dysplasia. Alternative splicing occurs at this locus and two transcript variants encoding the same protein have been identified.

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

Subunit Structure: Interacts directly with CBX5. Can interact with chromodomain proteins. Interacts directly with DNA. Interaction with DNA is sequence independent with higher affinity for supercoiled and relaxed circular DNA than linear DNA.

Post-translational Modifications: Phosphorylated by CDK1 in mitosis when the inner nuclear membrane breaks down into vesicles that dissociate from the lamina and the chromatin. It is phosphorylated by different protein kinases in interphase when the membrane is associated with these structures. Phosphorylation of LBR and HP1 proteins may be responsible for some of the alterations in chromatin organization and nuclear structure which occur at various times during the cell cycle. Phosphorylated by SRPK1. In late anaphase LBR is dephosphorylated, probably by PP1 and/or PP2A, allowing reassociation with chromatin.

Similarity: The Tudor domain may not recognize methylation marks, but rather bind unassembled free histone H3. Belongs to the ERG4/ERG24 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	37595750
NCBI GeneID	3930
NCBI Accession #	NP_002287.2
NCBI GenBank Nucleotide #	NM_002296.3
UniProt Accession #	Q14739; Q14740; Q53GU7; Q59FE6; B2R5P3
Molecular Weight	Observed: 70 kDa Predicted: 71 kDa
NCBI Official Full Name	lamin-B receptor
NCBI Official Synonym Full Names	lamin B receptor
NCBI Official Symbol	LBR
NCBI Official Synonym Symbols	PHA; LMN2R; PHASK; TDRD18; DHCR14B
NCBI Protein Information	lamin-B receptor

UniProt Protein Name	Lamin-B receptor
UniProt Gene Name	LBR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/lbr-antibody-immunohistochemistry-western-blot-elisa/327057>