Datasheet for ABIN6719340

anti-Lamin B Receptor antibody (AA 102-209)

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Overview

Quantity:	100 µg
Target:	Lamin B Receptor (LBR)
Binding Specificity:	AA 102-209
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Lamin B Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Lamin B Receptor/LBR Antibody Picoband®
Immunogen:	E.coli-derived human Lamin B Receptor/LBR recombinant protein (Position: H102-F209).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-Lamin B Receptor/LBR Antibody Picoband® (ABIN6719340). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	Lamin B Receptor (LBR)
Alternative Name:	LBR (LBR Products)
Background:	Synonyms: Lamin-B receptor, Integral nuclear envelope inner membrane protein, LMN2R, LBR Tissue Specificity: Detected in neutrophils and macrophages (at protein level). Highly expressed in bone marrow. Background: Lamin-B receptor is a protein, and in humans, it is encoded by the LBR gene. It is mapped to 1q42.12. 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.
Molecular Weight:	65-71 kDa
Gene ID:	3930
UniProt:	Q14739

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL Immunocytochemistry/Immunofluorescence, 2 µg/mL Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells ELISA, 0.1-0.5 µg/mL 1. Holmer L, Pezhman A, Worman HJ (December 1998). "The human lamin B receptor/sterol reductase multigene family". Genomics. 54 (3): 469-76. 2. Schuler E, Lin F, Worman HJ (April 1994). "Characterization of the human gene encoding LBR, an integral protein of the nuclear envelope inner membrane". The Journal of Biological Chemistry.269 (15): 11312-7.
Comment:	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested. Optimal dilutions should be determined by end users.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.