

LBR Monoclonal antibody, PBS Only

Catalog Number: 68378-1-PBS

Basic Information

Catalog Number:

68378-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG25601

GenBank Accession Number:

BC020079

GeneID (NCBI):

3930

UNIPROT ID:

Q14739

Full Name:

lamin B receptor

Calculated MW:

615 aa, 71 kDa

Observed MW:

58 kDa

Purification Method:

Protein A purification

CloneNo.:

1A1B7

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, Rat, Mouse

Background Information

Lamin-B receptor (LBR) is an integral membrane protein of the inner nuclear membrane that contains a hydrophilic N-terminal end protruding into the nucleoplasm, eight hydrophobic segments that span the membrane and a short, nucleoplasmic C-terminal tail (PMID: 28858257). LBR anchors the lamina and the heterochromatin to the inner nuclear membrane (PMID: 10828963; 28858257). It is also essential for cholesterol synthesis (PMID: 27336722). Mutations of the LBR gene have been associated with autosomal recessive HEM/Greenberg skeletal dysplasia and Pelger-Huët anomaly and Greenberg skeletal dysplasia (PMID: 12618959; 12490533). The calculated molecular mass of LBR is 71 kDa, which is larger than the apparent molecular mass of 58 kDa, probably due to the aberrant migration of membrane proteins subjected to SDS-PAGE (PMID: 2847165; 2170422).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

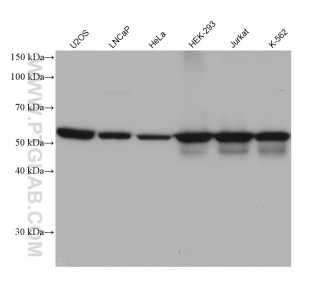
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68378-1-Ig (LBR antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68378-1-PBS in a different storage buffer formulation.

