

For Research Use Only

# Lamin B2 Monoclonal antibody, PBS Only



Catalog Number: 68475-1-PBS

## Basic Information

<b>Catalog Number:</b> 68475-1-PBS	<b>GenBank Accession Number:</b> BC006551	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 84823	<b>CloneNo.:</b> 2C7B1
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q03252	
<b>Isotype:</b> IgG1	<b>Full Name:</b> lamin B2	
<b>Immunogen Catalog Number:</b> AG33296	<b>Calculated MW:</b> 68 kDa	
	<b>Observed MW:</b> 68 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
Human, mouse, rat

## Background Information

Lamins are nuclear membrane structural components that are important in structural integrity of the nucleus and may also interact with chromatin (PMID: 33033404). Research studies show that lamin B2 knockout mice exhibit neuronal developmental defects and that both proteins are essential for typical brain development (PMID: 20145110). Mutations in Lamin B2 can result in a susceptibility to developing acquired partial lipodystrophy, a rare disorder characterized by the progressive loss of subcutaneous fat in a bilaterally symmetrical fashion (PMID: 16826530).

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

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

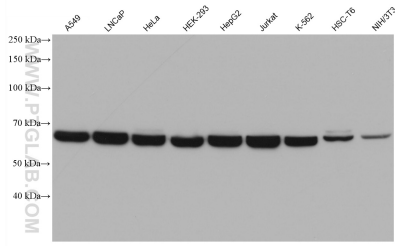
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68475-1-Ig (Lamin B2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68475-1-PBS in a different storage buffer formulation.