

Rabbit Lamin B Polyclonal Antibody | anti-LMNB1 antibody

Lamin B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321836	Rabbit	Human, Mouse, Rat, Monkey, Fish	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

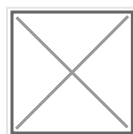
PRODUCT SYNONYMS

Lamin B; Polyclonal Antibody; Lamin B Antibody; ADLD; lamin B1; Lamin-B1; LMN; LMN2; LMNB; Lmnb1; LMNB1_HUMAN; MGC111419; OTTHUMP00000159218; anti-LMNB1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat, Monkey, Fish
Clonality	Polyclonal
Isotype	IgG
Specificity	Lamin B antibody detects endogenous levels of total Lamin B
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	586
Applicable Applications for anti-LMNB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Lamin B
Subcellular Location	Nucleus Inner Membrane.
Predicted Cross Reactivity	Pig, Bovine, Sheep, Rabbit, Xenopus
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Xenopus (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA321836 at 1/100 staining human Pancreas cancer tissues sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hou



WB (Western Blot)

Western blot analysis of Lamin B expression in COLO cells, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA321836 at 1/100 staining Mouse brain 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.



IF (Immunofluorescence)

AAA321836 staining lovo cells by ICC/IF. Cells were fixed with PFA and permeabilized in 0.1% saponin prior to blocking in 10% serum for 45 minutes at 37 degree C. The primary antibody was diluted 1/400 and incubated with the sample for 1 hour at 37 degree C. A Alexa Fluor 594 conjugated goat polyclonal to rabbit IgG (H+L), diluted 1/600 was used as secondary antibody

ADDITIONAL INFORMATION

Related Product Information for anti-LMNB1 antibody	Description: Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin. Subunit Structure: Homodimer. Interacts with lamin-associated polypeptides IA, IB and 2. Interacts with SPAG4 and SEPT12. Post-translational Modifications: B-type lamins undergo a series of modifications, such as farnesylation and phosphorylation. Increased phosphorylation of the lamins occurs before envelope disintegration and probably plays a role in regulating lamin associations. Similarity: Belongs to the intermediate filament family.
References	Yu Y, Bai F, Liu Y, Yang Y, Yuan Q, Zou D, Qu S, Tian G, Song L, Zhang T, Li S, Liu Y, Wang W, Ren G, Li D; Journal: Mol Cell Biochem. Fibroblast growth factor (FGF21) protects mouse liver against D-galactose-induced oxidative stress and apoptosis via activating Nrf2 and PI3K/Akt pathways. Zheng L, Feng L, Jiang WD, Wu P, Tang L, Kuang SY, Zeng YY, Zhou XQ, Liu Y; Journal: Fish Shellfish Immunol. Selenium deficiency impaired immune function of the immune organs in young grass carp (Ctenopharyngodon idella).

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031877
NCBI GeneID	4001
NCBI Accession #	NP_005564.1
NCBI GenBank Nucleotide #	NM_005573.3
UniProt Accession #	P20700; Q3SYN7; Q96EI6; B2R6J6
Molecular Weight	Observed: 66 kDa Predicted: 67 kDa
NCBI Official Full Name	lamin-B1 isoform 1
NCBI Official Synonym Full Names	lamin B1
NCBI Official Symbol	LMNB1
NCBI Official Synonym Symbols	LMN; ADLD; LMN2; LMNB
NCBI Protein Information	lamin-B1
UniProt Protein Name	Lamin-B1
UniProt Gene Name	LMNB1
UniProt Synonym Gene Names	LMN2; LMNB

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.