

Goat LMNB1 / Lamin B1 Polyclonal Antibody | anti-LMNB1 antibody

Goat Polyclonal to Human LMNB1 / Lamin B1

CATALOG # AAA52470	HOST Goat	REACTIVITY Human , Mouse , Bovine , Dog , Pig	APPLICATIONS ELISA, Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

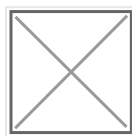
LMNB1 / Lamin B1; Polyclonal Antibody; Goat Polyclonal to Human LMNB1 / Lamin B1; Anti-LMNB1 / Lamin B1 Antibody (aa526-537) IHC-plus; LMNB1; ADLD; Lamin B1; Lamin-B1; LMN; LMNB; LMN2; Human LMNB1; anti-LMNB1 antibody

PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Human , Mouse , Bovine , Dog , Pig
Clonality	Polyclonal
Specificity	Human LMNB1 / Lamin B1. This antibody is expected to recognize both reported isoforms (NP_005564.1; NP_001185486.1).
Purity/Purification	Purified from goat serum by ammonium precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH 7.3, 0.02% Sodium Azide, 0.5% BSA
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	586
Applicable Applications for anti-LMNB1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Immunogen Species	LMNB1 / Lamin B1 antibody was raised against Human
Immunogen	LMNB1 / Lamin B1 antibody was raised against synthetic peptide with sequence C-DVKVILKNSQGE from an internal region (near C-terminus) of the protein sequence according to (NP_005564.1; NP_001185486.1).
Epitope	aa526-537
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

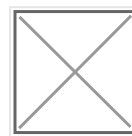
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store at -20 degree C. Avoid freeze-thaw cycles.

IMAGES



WB (Western Blot)

LMNB1 antibody (1 ug/ml) staining of nuclear HeLa lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)

Anti-LMNB1 / Lamin B1 antibody IHC staining of human uterus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

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
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
UniProt Entry Name	LMNB1_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lmn1-lamin-b1-antibody-western-blot-immunohistochemistry-elisa/52470>