

## Goat anti-Lamin B1 (aa526-537) Antibody

<b>Item Number</b>	dAP-2725
<b>Target Molecule</b>	Principle Name: Lamin B1 (aa526-537); Official Symbol: LMNB1; All Names and Symbols: LMNB1; lamin B1; ADLD; LMN; LMN2; LMNB; MGC111419; OTTHUMP00000159218; lamin-B1; Accession Number (s): NP_005564.1; NP_001185486.1; Human Gene ID(s): 4001; Non-Human GeneID(s): 16906 (mouse)
<b>Immunogen</b>	DVKVILKNSQGE, is from internal region (near C terminus) This antibody is expected to recognize both reported isoforms (NP_005564.1; NP_001185486.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human, Mouse
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 4000.
<b>Western Blot</b>	Western Blot: Approx 70kDa band observed in nuclear lysates of cell lines HeLa and Jurkat and approx. 70-75kDa in Mouse Liver lysates (calculated MW of 66.4kDa according to Human NP_005564.1 and 66.8kDa according to Mouse NP_034851.2) Recommended concn
<b>IHC</b>	
<b>Reference</b>	Reference(s): Schuster J, Sundblom J, Thuresson AC, Hassin-Baer S, Klopstock T, Dichgans M, Cohen OS, Raininko R, Melberg A, Dahl N. Genomic duplications mediate overexpression of lamin B1 in adult-onset autosomal dominant leukodystrophy (ADLD) with autonomic symptoms. Neurogenetics. 2011 Feb;12

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**