

Mouse Laminin 2 alpha Monoclonal Antibody | anti-LAMA2 antibody

Laminin 2 alpha Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA330087	Mouse	Human, Mouse, Rat Prediction: Pig, Bovine, Horse, Sheep, Rabbit, Dog	Immunocytochemistry, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

Laminin 2 alpha; Monoclonal Antibody; Laminin 2 alpha Mouse Monoclonal Antibody; LAMA 2; LAMA2; LAMA2_HUMAN; Laminin alpha 2 (merosin congenital muscular dystrophy); Laminin alpha 2; Laminin alpha 2 chain; Laminin alpha 2 subunit; Laminin M; Laminin M chain; Laminin subunit alpha-2; Laminin-12 subunit alpha; Laminin-2 subunit alpha; Laminin-4 subunit alpha; LAMM; Merosin heavy chain; anti-LAMA2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat Prediction: Pig, Bovine, Horse, Sheep, Rabbit, Dog
Clonality	Monoclonal
Isotype	Mouse IgG1
Specificity	Laminin 2 alpha Antibody detects endogenous levels of total Laminin 2 alpha.
Purity/Purification	Affinity-chromatography.
Form/Format	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Sequence	MPGAAGVLLL LLLSGGLGGV QAQRPQQQRQ SQAHQQRGLF PAVLNLASNA LITTNATCGE KGPEMYCKLV EHVPGQPVNR PQCRICNQNS SNPNQRHPIT NAIDGKNTWW QSPSIKNGIE YHYVTITL DL QQVFQIAYVI VKAANSRPRG NWILERSLDD VEYKPWQYHA VTDTECLTLY NIYPRTGPPS YAKDDEVICT SFYSKIHPL NGEIHISLIN GRPSADDPSP ELLEFTSARY IRLRFQRI RT LNADLMMFAH KDPREIDPIV TRRYYSVKD ISVGGMCICY GHARACPLDP ATNKSRCCE HNTCGDSCDQ CCPGFHQKPW RAGTFLTKTE CEACNCHGKA EECYDENVA RRNLSLNIRG KYIGGGVCIN CTQNTAGINC ETCTDGFRRP KGVSPNYPRP CQPCCHDPIG SLNEVCVKDE KHARRGLAPG SCHCKTGFGG VSCDRCARGY TGYPDCKACN CSGLGSKNED PCFGPICKE NVEGGDCSRC KSGFFNLQED NWKGCDECFC SGVSNRCQSS YWYTGKIQDM SGWYLTDLPG RIRVAPQQDD LDSPQQISIS NAEARQALPH SYYWSAPAPY LGNKLPVGG QLTFTISYDL EEEEEEDTERV LQLMIILEGN DLSISTAQDE VYLHPSEEHT NVLLLKEESF TIHGTHFPVR RKEFMTVLAN LKRVLLQITY SFGMDAIFRL SSVNLESAYS YPTDGSIAAA VEVQCQPPGY TGSSCESCW P RHRRVNGTIF GGICEPCQCF GHAESCDVDT GECLNCKDHT GGPYCDKCLP GFYGEPTKGT SEDCQPCACP LNIPSNNFSP TCHLDRSLGL ICDGCPVGYT GPRCERCAEG YFGQPSVPGG SCQPCQCN DN LDFSIPGSCD SLSGSCCLICK PGTTGRYCEL CADGYFGDAV DAKNCQPCRC NAGGSFSEVC HSQTGQCECR ANVQGQRC DK CKAGTFGLQS ARGCVPCNCN SFGSKSFDCE ESGQCWCQPG VTGKKCDRCA HGYNFQEGG CTACECSHLG NNCDPKTGRC ICPNTIGEK CSKCAPNTWG HSITTGCKAC NCSTVGS LDF QCNVNTGQCN CHPKFSGAKC TECSRGHWN Y PRCNLCD CFL PGTDATTCDS ETKKCSCSDQ TGQCTCKVNV EGIHCDRCRP GKFLDAKNP LGCSSCYCFG TTTQCSEAKG LIRTVTLKA EQTILPLVDE ALQHTTTKGI VFQHPEIVAH MDLMREDLHL EPFYWKLP EQ FEGKKLMAYG GKLYAIYFE AREETGFSTY NPQVIIRGGT PTHARIIVRH MAAPLIGQLT RHEIEMTEKE WKYGGDDPRV HRTVTREDFL DILYDIHYIL IKATYGNFMR QSRISEISME VAEQGRGTTM TPPADLIEK DCPLGYSGLS CEACLPGFYR LRSQPGGRTP GPTLGTCVPC QCNGHSSLCD PETSICQNCQ HHTAGDFCER CALGYYGIVK GLPNDCQQCA CPLISSNNF SPSCVAEGLD DYRCTACPRG YEGQYCERCA PGYTSPGNP GGSCQECECD PYGSLPVPCD PVTGFCTCRP GATGRKCDGC KHWHAREGWE CVFCGDECTG LLLGDLARLE QMVMSINLTG PLPAPYKMLY GLENMTQELK HLLSPQRAPE RLIQLAEGNL NTLVTEMNEL LTRATKV TAD GEQTGQDAER TNTRAKSLGE FIKELARDAE AVNEKAIKLN ETLGTRDEAF ERNLEGLQKE IDQMIKELRR KNLETQKEIA EDELVAEAL LKKVKKLFGE SRGENEEMEK DLREKLADYK NKVDDAWDLL REATDKIREA NRLFVNQKN MTALEKKKEA VESGKRQIEN TLKEGNDILD EANRLADEIN SIIDYVEDIQ TKLPPMSEEL NDKIDDSQE IKDRKLAEKV SQAESHAAQL NDSSAVLDGI LDEAKNISFN ATAFAKAYS N IKDYIDEAEK VAKEAKDLAH EATKLATGPR GLLKEDAKGC LQKSFRILNE AKKLANDVKE NEDHLNGLKT RIENADARNG DLLRTLNDTL GKLSAIPNDT AAKLQAVKDK ARQANDTAKD VLAQITELHQ NLDGLKKNYN KLADSVAKTN AVVKDPSKNK IIADADATVK NLEQEADRLI DKLKPIKELE DNLKKNISEI KELINQARKQ ANSIKVS VSS GGDCIRTYKP EIKKGSYNNI VVNVKTAVAD NLLFYLSAK FIDFLAIEMR KGKVSFLWDV GSGVGRVEYP DLTIDDSYWY RIVASRTGRN GTISVRALDG PKASIVPSTH HSTSPPGYTI LDVDANAMLF VGGLTGKLKK ADAVRVITFT GCMGETYFDN KPIGLWNFRE KEGDCKGCTV SPQVEDSEGT IQFDGEGYAL VSRPIRWYPN ISTVMFKFRT FSSSALLMYL ATRD LRFMS VELTDGHIKV SYDLGSGMAS VVSQNHNNDG KWKSF TLSRI QKQANISVD IDTNQEENIA TSSSGNNFGL DLKADDKIYF GGLPTLRNLS MKARPEVNLK KYSGCLKDIE ISRTPYNILS SPDYVGVTKG CSLENVYTVS FPKPGFVELS PVPIDVGTEI NLSFSTKNES GIILLGSGGT PAPP RRKRRTG TGQAYYAILL NRGRLEVHLS TGARTMRKIV IRPEPNLFHD GREHSVHVER TRGIFTVQVD ENRRYMQNLT VEQPIEVKKL FVGGAPEFQ PSPLRNIPPF EGCINLVLIN SVPMDFARPV SFKNADIGRC AHQKLREDED GAAPAEIVIQ PEPVPTPAFP TTPVLTHGP CAAESEPAL I GSKQFGLSR NSHIAIAFDD TKVKNRLTIE LEVRTEAESG LLFYMARINH ADFATVQLRN GLPYFSYDLG SGDTHTMIPT KINDGQWHKI KIMRSKQEGI LYVDGASNRT ISPKKADILD VVGMLYVGGL PINYTTRRIG PVTYSIDGCV RNLHMAEAPA DLEQPTSSFH VGTCFANAQR GTYFDGTGFA KAVGGFKVGL DLLVEFEFRT TTTTGVL LGI SSQKMDGMGI EMIDEKLMFH VDNGAGRFTA VYDAGVPGHL CDGQWHKVTA NKIKHRIELT VDNQVQEAQS PNPASTSADT NDPVFVG GFF DDLKQFGLTT SIPFRGCIRS LKLTGKGTKP LEVNF AKALE LRGVQPVSCP AN
Applicable Applications for anti-LAMA2 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen	A synthesized peptide derived from human Laminin 2 alpha, corresponding to a region within N-terminal amino acids.
Conjugation	Unconjugated
Expression	Placenta, striated muscle, peripheral nerve, cardiac muscle, pancreas, lung, spleen, kidney, adrenal gland, skin, testis, meninges, choroid plexus, and some other regions of the brain; not in liver, thymus and bone.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



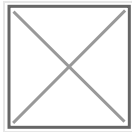
IF (Immunofluorescence)

AAA330087 staining HepG2 cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. Samples were then incubated with primary Ab(#AAA330087) and rabbit anti-beta tubulin Ab for 1 hour at 37 degree C. An AlexaFluor594 conjugated goat anti-mouse IgG Ab(Red) and an AlexaFluor488 conjugated goat anti-rabbit IgG Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI (blue).



IHC (Immunohistochemistry)

AAA330087 at 1/100 staining mouse liver 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA330087 at 1/100 staining mouse heart 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.



IHC (Immunohistochemistry)

AAA330087 at 1/100 staining human prostate cancer 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 primary antibody at 4 degree C overnight. An HRP conjugated anti-mouse antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-LAMA2 antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	3908
UniProt Accession #	P24043
Molecular Weight	343kD; 344kD(Calculated)

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/monoclonal/laminin-2-alpha-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-elisa/330087>