Rabbit Laminin 2 alpha Polyclonal Antibody | anti-LAMA2 antibody

Laminin 2 alpha Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31185	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunocytochemistry, ELISA, Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

Laminin 2 alpha; Polyclonal Antibody; Laminin 2 alpha 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

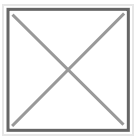
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin .
Form/Format	Phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	~1mg/ml (varies by lot)
Sequence Length	3122
Applicable Applications for anti-LAMA2 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	IF/ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000 The optimal dilution should be determined by the end user.
Immunogen	A synthesized peptide derived from human Laminin 2 alpha, corresponding to a region within N-terminal amino acids.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

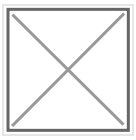
IMAGES

IF (Immunofluorescence)
AAA31185 staining Hela 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°C. Samples were then incubated with primary Ab(AAA31185 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).

IHC (Immunohistchemistry-Paraffin)
AAA31185 at 1/100 staining Human esophageal cancer and adjacent normal tissues 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°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31185 at 1/100 staining Human kidney cancer and adjacent normal tissues 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°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31185 at 1/100 staining Mouse testis 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°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

IHC (Immunohistochemistry-Paraffin)
AAA31185 at 1/100 staining Mouse muscle 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°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

IHC (Immunohistochemistry-Paraffin)
AAA31185 at 1/100 staining Rat 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°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

NCBI AND UNIPROT INFORMATION

NCBI GI #	28559088
NCBI GeneID	3908
NCBI Accession #	NP_000417.2
NCBI GenBank Nucleotide #	NP_000417.2
UniProt Accession #	P24043
Molecular Weight	343kD
NCBI Official Full Name	laminin subunit alpha-2 isoform a
NCBI Official Synonym Full Names	laminin subunit alpha 2
NCBI Official Symbol	LAMA2
NCBI Official Synonym Symbols	LAMM; MDC1A
NCBI Protein Information	laminin subunit alpha-2
UniProt Protein Name	Laminin subunit alpha-2
UniProt Gene Name	**LAMA2**
UniProt Synonym Gene Names	LAMM
UniProt Entry Name	LAMA2_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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