

## Laminin Alpha-2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04938
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human LAMA2. AA range:2011-2060
<b>Mol wt</b>	342771
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Laminin alpha-2 Antibody
<b>Synonyms</b>	LAMA2; LAMM; Laminin subunit alpha-2; Laminin M chain; Laminin-12 subunit alpha; Laminin-2 subunit alpha; Laminin-4 subunit alpha; Merosin heavy chain

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

Laminin, an extracellular protein, is a major component of the basement membrane. It is thought to mediate the attachment, migration, and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components. It is composed of three subunits, alpha, beta, and gamma, which are bound to each other by disulfide bonds into a cross-shaped molecule. LAMA2 encodes the alpha 2 chain, which constitutes one of the subunits of laminin 2 (merosin) and laminin 4 (s-merosin). Mutations in this gene have been identified as the cause of congenital merosin-deficient muscular dystrophy. Two transcript variants encoding different proteins have been found for this gene.

### Recommended Dilution

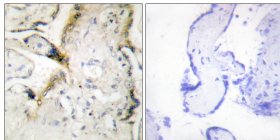
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

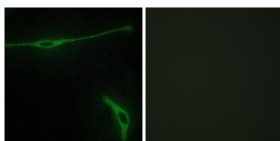
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Immunohistochemistry analysis of paraffin-embedded human placenta tissue, using LAMA2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunofluorescence analysis of NIH/3T3 cells, using LAMA2 Antibody. The picture on the right is blocked with the synthesized peptide.

### Storage

-20°C for one year

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