

Research Use Only. Not for diagnostic or therapeutic use.

Storage: For long-term storage keep aliquots at -20°C. (Store no longer than 12 months at 4°C). Minimize freezing and thawing.

EB07078 - Goat Anti-LAMC2 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: ladsin (140kDa), epiligrin, cell-scattering factor (140kDa), MGC141938, MGC138491, nicein-100kDa, nicein (100kDa), laminin, gamma 2 (nicein (100kD), kalinin (105kD), BM600 (100kD), Herlitz junctional epidermolysis bullosa), kalinin-105kDa, kalinin (105kD), BM600-100kDa, LAMNB2, LAMB2T, EBR2A, EBR2, BM600, B2T, HGNC:6493, laminin, gamma 2, LAMC2

Official Symbol: LAMC2

Accession Number(s): NP_005553.2; NP_061486.2

Human GeneID(s): [3918](#)

Important Comments: This antibody is expected to recognise both reported isoforms (NP_005553.2; NP_061486.2)

Immunogen

Peptide with sequence C-QKVDTRAKNAGVTIQD, from the internal region of the protein sequence according to NP_005553.2; NP_061486.2.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Western blot: Preliminary experiments gave bands at approx 170kDa and 55-60kDa in Human Lung lysates after 1µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 131kDa according to NP_005553.1 and 122kDa according to NP_061486.1. Both detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain the additional bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human

Background Reference

Amin K, Janson C, Seveus L, Miyazaki K, Virtanen I, Venge P.

Uncoordinated production of Laminin-5 chains in airways epithelium of allergic asthmatics. Respir Res. 2005 Sep 22;6:110.

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