

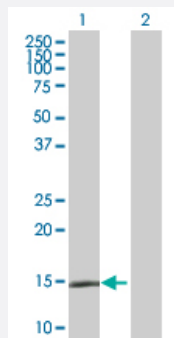
MaxPab®

LAMA4 purified MaxPab mouse polyclonal antibody (B03P)

Catalog # H00003910-B03P

Size 50 ug

Applications

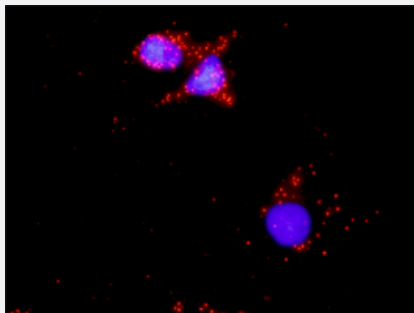


Western Blot (Transfected lysate)

Western Blot analysis of LAMA4 expression in transfected 293T cell line ([H00003910-T04](#)) by LAMA4 MaxPab polyclonal antibody.

Lane 1: LAMA4 transfected lysate(13.31 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between TP53 and LAMA4. HeLa cells were stained with anti-TP53 rabbit purified polyclonal 1:1200 and anti-LAMA4 mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Specification

| | |
|-------------------------|---|
| Product Description | Mouse polyclonal antibody raised against a full-length human LAMA4 protein. |
| Immunogen | LAMA4 (AAH04241, 1 a.a. ~ 120 a.a) full-length human protein. |
| Sequence | MALSSAWRSVLPLWLLWSAACSRAASGDDNAFPFDIEGSSAVGRQDPPETSEPRVALGRLPPA AEVQCPCHCHPAGAPAPPRVPHSSFSLSPPLSSPQCLESFTWARSVRKLEIKSFPL |
| Host | Mouse |
| Reactivity | Human |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate. |

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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Gene Info — LAMA4

Entrez GeneID[3910](#)**GeneBank Accession#**[BC004241](#)**Protein Accession#**[AAH04241](#)**Gene Name**

LAMA4

Gene Alias

DKFZp686D23145, LAMA3, LAMA4*-1

Gene Description

laminin, alpha 4

Omim ID[600133](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

Laminins, a family of extracellular matrix glycoproteins, are the major noncollagenous constituent of basement membranes. They have been implicated in a wide variety of biological processes including cell adhesion, differentiation, migration, signaling, neurite outgrowth and metastasis. Laminins are composed of 3 non identical chains: laminin alpha, beta and gamma (formerly A, B1, and B2, respectively) and they form a cruciform structure consisting of 3 short arms, each formed by a different chain, and a long arm composed of all 3 chains. Each laminin chain is a multidomain protein encoded by a distinct gene. Several isoforms of each chain have been described. Different alpha, beta and gamma chain isomers combine to give rise to different heterotrimeric laminin isoforms which are designated by Arabic numerals in the order of their discovery, i.e. alpha1beta1gamma1 heterotrimer is laminin 1. The biological functions of the different chains and trimer molecules are largely unknown, but some of the chains have been shown to differ with respect to their tissue distribution, presumably reflecting diverse functions in vivo. This gene encodes the alpha chain isoform laminin, alpha 4. The domain structure of alpha 4 is similar to that of alpha 3, both of which resemble truncated versions of alpha 1 and alpha 2, in that approximately 1,200 residues at the N-terminus (domains IV, V and VI) have been lost. Laminin, alpha 4 contains the C-terminal G domain which distinguishes all alpha chains from the beta and gamma chains. The RNA analysis from adult and fetal tissues revealed developmental regulation of expression, however, the exact function of laminin, alpha 4 is not known. Tissue-specific utilization of alternative polyA-signal has been described in literature. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq]

Other Designations

OTTHUMP00000017039|OTTHUMP00000017043|laminin alpha 4 chain

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Tooth Abnormalities](#)