10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LAMA4 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21315b

Product Information

Application	WB, E
Primary Accession	Q16363
Reactivity	Human, Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52641
Calculated MW	202568

Additional Information

Gene ID	3910
Other Names	Laminin subunit alpha-4, Laminin-14 subunit alpha, Laminin-8 subunit alpha, Laminin-9 subunit alpha, LAMA4
Target/Specificity	This LAMA4 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1474-1508 amino acids from the C-terminal region of human LAMA4.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	LAMA4 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LAMA4
Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.

Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane. Secreted. Note=Major basement membrane component
Tissue Location	Detected in placenta (at protein level) (PubMed:32337544). Detected in fibroblasts and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717). In adult, strong expression in heart, lung, ovary small and large intestines, placenta, liver; weak or no expression in skeletal muscle, kidney, pancreas, testis, prostate, brain. High expression in fetal lung and kidney Expression in fetal and newborn tissues is observed in certain mesenchymal cells in tissues such as smooth muscle and dermis

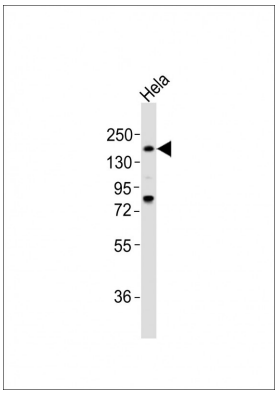
Background

Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.

References

Iivanainen A.,et al.FEBS Lett. 365:183-188(1995).
Richards A.J.,et al.Eur. J. Biochem. 238:813-821(1996).
Nakajima D.,et al.Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Mungall A.J.,et al.Nature 425:805-811(2003).

Images



Anti-LAMA4 Antibody (C-term)at 1:2000 dilution + Hela whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 203 kDa Blocking/Dilution buffer: 5% NFDM/TBST.