



Anti-LAMA5 (aa 1-100) polyclonal antibody (DPAB-DC1821)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes one of the vertebrate laminin alpha chains. 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. The protein encoded by this gene is the alpha-5 subunit of laminin-10 (laminin-511), laminin-11 (laminin-521) and laminin-15 (laminin-523).
Immunogen	LAMA5 (AAH03355, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MGVSLRDKKVHWVYQLGEAGPAVLSDIDIGEQAFAVSLDRTLQFGHMSVTVERQMIQET KGDTVAPGAEGLLNLRPDDFVFYVGGYPSTFTPPPLLRFP
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	LAMA5 laminin, alpha 5 [Homo sapiens (human)]
Official Symbol	LAMA5
Synonyms	LAMA5; laminin, alpha 5; laminin subunit alpha-5; laminin alpha-5 chain; laminin-10 subunit alpha; laminin-11 subunit alpha; laminin-15 subunit alpha;
Entrez Gene ID	3911
Protein Refseq	NP_005551
UniProt ID	O15230
Chromosome Location	20q13.2-q13.3
Pathway	Alpha6-Beta4 Integrin Signaling Pathway; Degradation of the extracellular matrix; ECM-receptor interaction; Focal Adhesion
Function	integrin binding; structural molecule activity;