

Anti-Laminin alpha 5 Antibody

Catalog # AP51312

Product Information

Application	WB, IHC, IP
Primary Accession	O15230
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	399737

Additional Information

Gene ID	3911
Other Names	KIAA0533; KIAA1907; Laminin subunit alpha-5; Laminin-10 subunit alpha; Laminin-11 subunit alpha; Laminin-15 subunit alpha
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Laminin alpha 5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IP~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

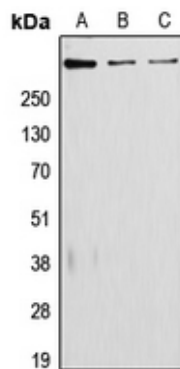
Protein Information

Name	LAMA5
Synonyms	KIAA0533, KIAA1907
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. Plays a role in the regulation of skeletogenesis, through a mechanism that involves integrin-mediated signaling and PTK2B/PYK2 (PubMed: 33242826).
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane. Note=Major component
Tissue Location	Expressed in heart, lung, kidney, skeletal muscle, pancreas, retina and placenta. Little or no expression in brain and liver. Expressed in muscle, ligaments, periosteum, trabecular bone and throughout the cartilage, particularly in the growth plate and in articular chondrocytes

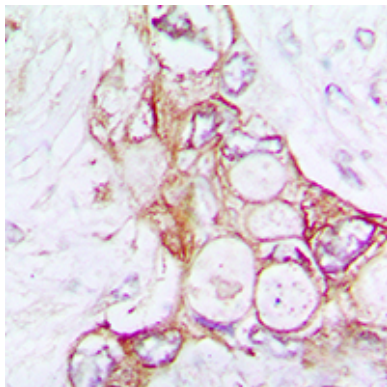
References

Doi M.,et al.J. Biol. Chem. 277:12741-12748(2002).
Deloukas P.,et al.Nature 414:865-871(2001).
Nagase T.,et al.DNA Res. 8:179-187(2001).
Nagase T.,et al.DNA Res. 5:31-39(1998).
Durkin M.E.,et al.FEBS Lett. 411:296-300(1997).

Images



Western blot analysis of Laminin alpha 5 expression in JAR (A), A431 (B), RAW264.7 (C) whole cell lysates.
(Predicted band size: 399 kD; Observed band size: 400 kD)



Immunohistochemical analysis of Laminin alpha 5 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.