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Anti-Laminin gamma 3 Antibody

Catalog # AP60478

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q9Y6N6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	171227

Additional Information

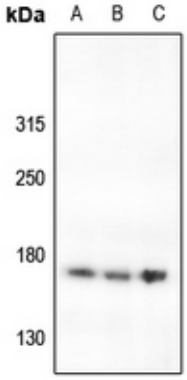
Gene ID	10319
Other Names	Laminin subunit gamma-3; Laminin-12 subunit gamma; Laminin-14 subunit gamma; Laminin-15 subunit gamma
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Laminin gamma 3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~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

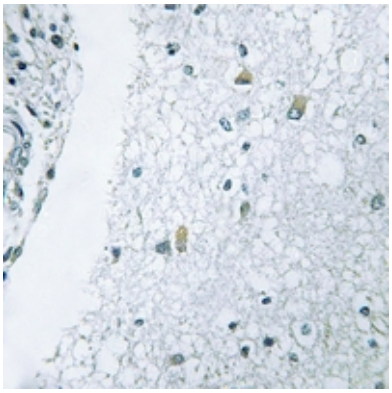
Name	LAMC3
Function	Binding to cells via a high affinity receptor, laminin is thought to mediate the attachment, migration and organization of cells into tissues during embryonic development by interacting with other extracellular matrix components.
Cellular Location	Secreted, extracellular space, extracellular matrix, basement membrane
Tissue Location	Broadly expressed in: skin, heart, lung, and the reproductive tracts

Images

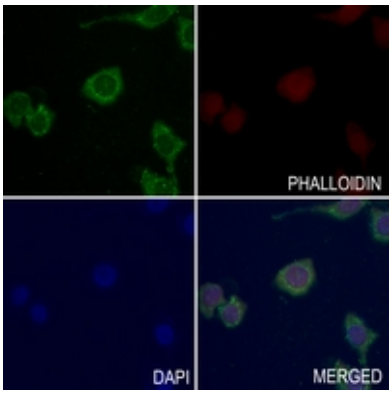
Western blot analysis of Laminin gamma 3 expression in A549 (A), PC3 (B), A2780 (C) whole cell lysates. (Predicted



band size: 171 kD; Observed band size: 172 kD)



Immunohistochemical analysis of Laminin gamma 3 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.



Immunofluorescent analysis of Laminin gamma 3 staining in LO2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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