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36-2699: Anti-Laminin Receptor / RPSA (Marker of Metastatic Potential) Monoclonal Antibody(Clone: RPSA/2699)

Clonality :	Monoclonal
Clone Name :	RPSA/2699
Application :	FACS,IF,WB,IHC
Reactivity :	Human
Gene :	RPSA
Gene ID :	3921
Uniprot ID :	P08865
Alternative Name :	34/67kDa Laminin Receptor; 37kDa Laminin Receptor precursor; 37/67kDa Laminin Receptor; 37LRP; 40S Ribosomal Protein SA; 67kDa Laminin Receptor; 67LR; Colon Carcinoma Laminin-binding Protein; LAMBR; Laminin receptor 1; Laminin-binding Protein precursor p40; LAMR1; LBP/p40; LRP/LR; MultidrÂµg resistance-associated protein MGr1-Ag; NEM/1CHD4; Ribosomal Protein SA (RPSA)
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant full-length human RPSA protein

Description

Laminins, a family of extracellular matrix glycoproteins, are the major non-collagenous 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. Many of the effects of laminin are mediated throÂµgh interactions with cell surface receptors. These receptors include members of the integrin family, as well as non-integrin laminin-binding proteins. This gene encodes a high-affinity, non-integrin family, laminin receptor 1. Reportedly, level of laminin receptor transcript is higher in colon carcinoma tissue and lung cancer cell line than their normal counterparts. Also, there is a correlation between the upregulation of this polypeptide in cancer cells and their invasive and metastatic phenotype.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/ml); Immunofluorescence (1-2ug/ml);Western Blot (1-2ug/ml);,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),

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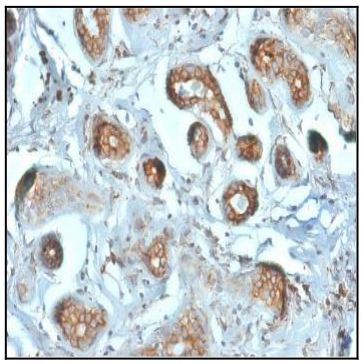

Fig. 1: Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).

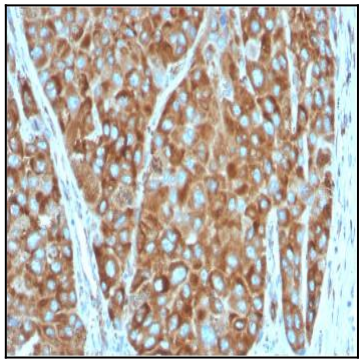

Fig. 2: Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).

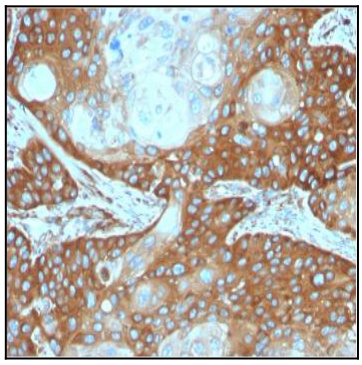

Fig. 3: Formalin-fixed, paraffin-embedded human Cervix Carcinoma stained with Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).

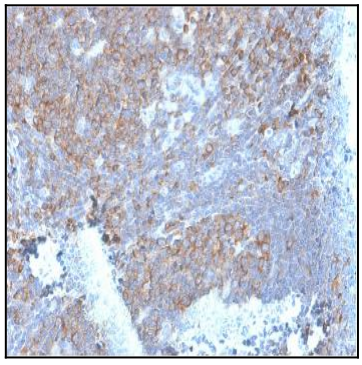

Fig. 4: Formalin-fixed, paraffin-embedded human Tonsil stained with Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).

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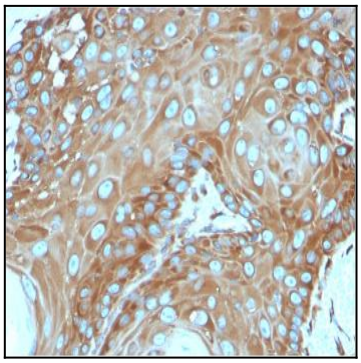

Fig. 5: Formalin-fixed, paraffin-embedded human Basal Cell Carcinoma stained with Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).

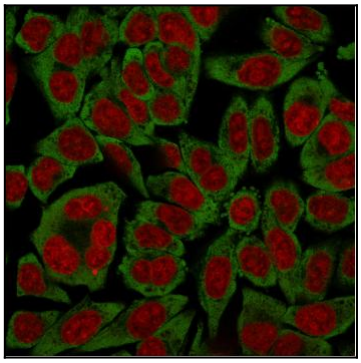

Fig. 6: Immunofluorescent staining of HeLa cells using Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Nuclei are labeled with RedDot (red).

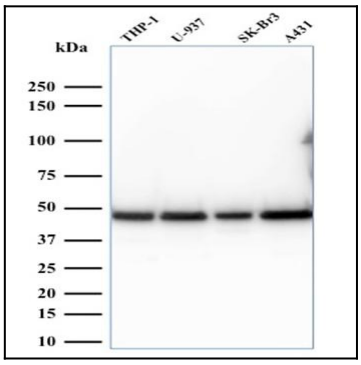

Fig. 7: Western Blot Analysis of human THP-1, U937, SK-BR3, and A431 cell lysates. Laminin Receptor Monospecific Mouse Monoclonal Antibody (RPSA/2699).