

RPSA Monoclonal Antibody (MLuC5)

Product Details	
Size	500 µL
Species Reactivity	Human
Published Species	Human, Mouse
Host/Isotype	Mouse / IgM
Class	Monoclonal
Type	Antibody
Clone	MLuC5
Conjugate	Unconjugated
Immunogen	Small cell lung carcinoma N592 live cells
Form	Liquid
Concentration	0.2 mg/mL
Purification	Ammonium sulfate precipitation
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C
RRID	AB_10983211

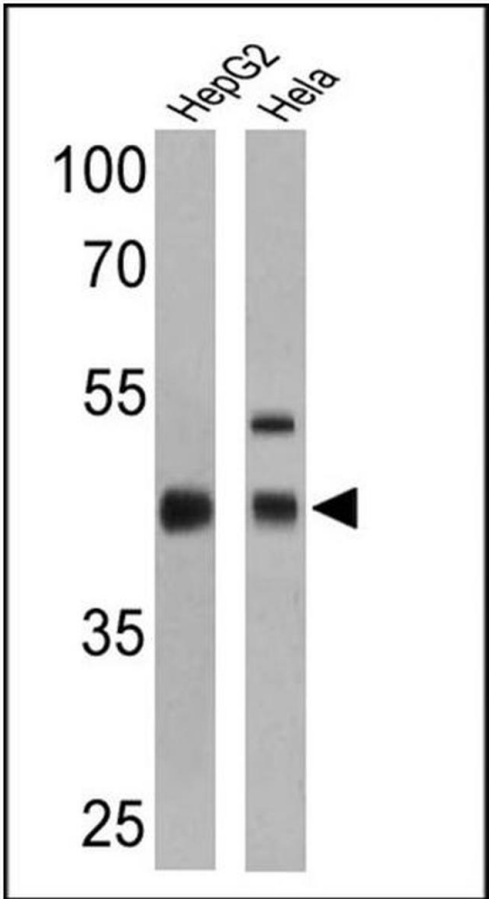
Applications	Tested Dilution	Publications
Western Blot (WB)	1:10-1:200	3 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	4-8 µg/mL	-
Immunocytochemistry (ICC/IF)	1:10-1:200	1 Publication
Flow Cytometry (Flow)	Assay-dependent	1 Publication
Neutralization (Neu)	-	3 Publications
Blocking Assay (BLOCK)	-	1 Publication

Product Specific Information

MA5-12840 targets Laminin Receptor in FACS, WB, ICC/IF, and IHC (P) applications and shows reactivity with Human samples.

The MA5-12840 immunogen is small cell lung carcinoma N592 live cells.

Product Images For RPSA Monoclonal Antibody (MLuC5)



RPSA Antibody (MA5-12840) in WB

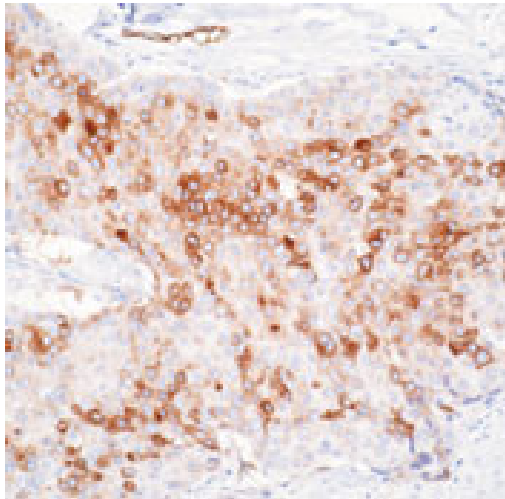
Western blot analysis of Laminin Receptor was performed by loading 25 µg of HepG2 (lane 1) and HeLa (lane 2) cell lysates onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4°C overnight. The membrane was probed with a Laminin Receptor monoclonal antibody (Product # MA5-12840) at a dilution of 1:100 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~43 kDa.

RPSA Antibody (MA5-12840) in ICC/IF

Immunofluorescent analysis of Laminin Receptor (green) showing staining in the membrane of MCF-7 cells (right) compared to a negative control without primary antibody (left). 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 a Laminin Receptor monoclonal antibody (Product # MA5-12840) in 3% BSA-PBS at a dilution of 1:100 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 100x.

RPSA Antibody (MA5-12840) in IHC (P)

Formalin-fixed, paraffin-embedded human breast carcinoma stained with Laminin Receptor antibody using peroxidase-conjugate and DAB chromogen. Note cell membrane with some cytoplasmic staining of tumor cells.



10 References

Western Blot (3)

Virulence	Year 2016
The effects of cytotoxic necrotizing factor 1 expression in the uptake of Escherichia coli K1 by macrophages and the onset of meningitis in newborn mice.	
"MA5-12840 was used in western blot to study the uptake of Escherichia coli K1 by macrophages and the onset of meningitis in newborn mice and the effects of cytotoxic necrotizing factor 1 expression"	
Authors: Chang AC,Krishnan S,Prasadarao NV	
Experimental gerontology	Year 2012
Enteric-delivered rapamycin enhances resistance of aged mice to pneumococcal pneumonia through reduced cellular senescence.	Species Mouse
"MA5-12840 was used in western blot to study the role of lowered lung cellular senescence in the mechanism by which enteric rapamycin reduces the susceptibility of aged mice to Streptococcus pneumoniae infection"	
Authors: Hinojosa CA,Mgbemena V,Van Roekel S,Austad SN,Miller RA,Bose S,Orihuela CJ	

View more WB references on thermofisher.com

Immunohistochemistry (1)

Acta cytologica	Year 2006
Relationship of up-regulation of 67-kd laminin receptor to grade of cervical intraepithelial neoplasia and to high-risk HPV types and prognosis in cervical cancer.	Species Human
"MA5-12840 was used in immunohistochemistry to investigate the prognostic value of the 67-kd laminin receptor in cervical cancer and its relationship with high-risk HPV types"	Dilution 1:50
Authors: Branca M,Giorgi C,Ciotti M,Santini D,Di Bonito L,Costa S,Benedetto A,Bonifacio D,Di Bonito P,Paba P,Accardi L,Mariani L,Syrjänen S,Favalli C,Syrjänen K	

Immunocytochemistry (1)

The European respiratory journal	Year 2004
Increase in laminin expression in allergic airway remodelling and decrease by dexamethasone.	Species Mouse
"MA5-12840 was used in immunocytochemistry to study the role of laminin on allergic airway remodelling in chronic allergic lung inflammation."	Dilution 4 µg/mL
Authors: Christie PE,Jonas M,Tsai CH,Chi EY,Henderson WR	

More applications with references on thermofisher.com

- Flow (1)
- Neu (3)
- BLOCK (1)

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