Cytokeratin 17 Recombinant Rabbit Monoclonal Antibody (RM351)

Product Details

Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	RM351
Conjugate	Unconjugated
Immunogen	A peptide corresponding to residues in human Cytokeratin 17 (CK-17)
Form	Liquid
Concentration	0.1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1% BSA, 50% glycerol
Contains	0.09% sodium azide
Storage conditions	-20°C
RRID	AB_2744962

| Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:20,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:500-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-

Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Support (US): 1 800 955 6288
Support (Outside US): thermofisher.com/contactus
E-mail: CustomerCare@thermofisher.com

Thermo Fisher
SCIENTIFIC

1

Product Images For Cytokeratin 17 Recombinant Rabbit Monoclonal Antibody (RM351)
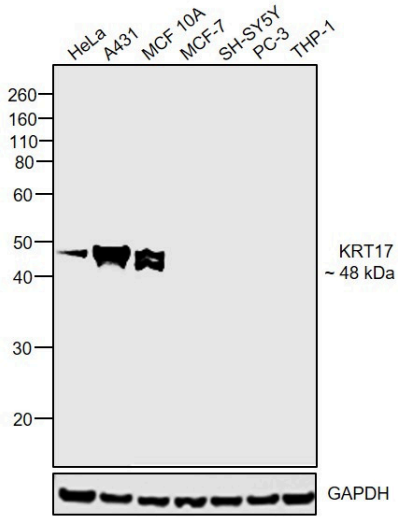

Cytokeratin 17 Antibody (MA5-27909) in WB
Western blot was performed using Anti-Cytokeratin 17 Recombinant Rabbit Monoclonal Antibody (RM351) (Product # MA5-27909) and a 48 kDa band corresponding to KRT17 was observed across all the cell lines tested except MCF-7, SH-SY5Y, PC-3 and THP-1. Membrane enriched extracts (30 μg lysate) of HeLa (Lane 1), A431 (Lane 2), MCF 10A (Lane 3), MCF 7 (Lane 4), SH-SY5Y (Lane 5), PC-3 (Lane 6) and THP-1 (Lane 7) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:10,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).
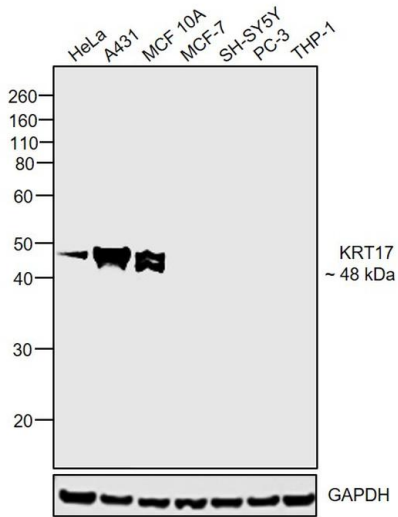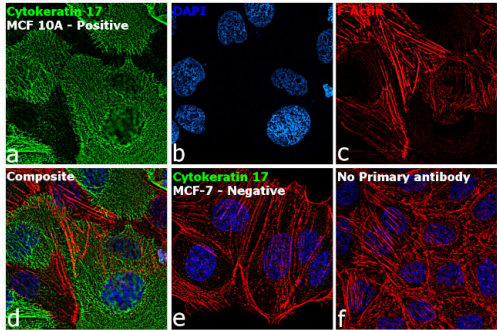

Cytokeratin 17 Antibody (MA5-27909)
Antibody specificity was demonstrated by detection of differential basal expression of the target across cells lines tested owing to their inherent genetic constitution. Relative expression of KRT17 was observed in HeLa, A-431 and MCF 10A in comparison to MCF-7, SH-SY5Y, PC-3 and THP-1 using Anti-Cytokeratin 17 Recombinant Rabbit Monoclonal Antibody (RM351) (Product # MA5-27909) in Western Blot. {RE}

Cytokeratin 17 Antibody (MA5-27909) in ICC/IF
Immunofluorescence analysis of Cytokeratin 17 was performed using 70% confluent log phase MCF 10A cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with Cytokeratin 17 Rabbit Monoclonal Antibody (RM351) (Product # MA5-27909) at 1:100 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, Alexa Fluor 488 (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with ProLong™ Diamond Antifade Mountant with DAPI (Product # P36962). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415). Panel d represents the merged image showing Cytoplasmic localization. Panel e represents MCF-7 cells having no expression of Cytokeratin 17 . Panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

View more figures on thermofisher.com

Support (US): 1 800 955 6288
Support (Outside US): thermofisher.com/contactus
E-mail: CustomerCare@thermofisher.com

ThermoFisher
SCIENTIFIC

2

Support (US): 1 800 955 6288
Support (Outside US): thermofisher.com/contactus
E-mail: CustomerCare@thermofisher.com

ThermoFisher
SCIENTIFIC

3