ADAR1 Recombinant Rabbit Monoclonal Antibody (JU99-33)

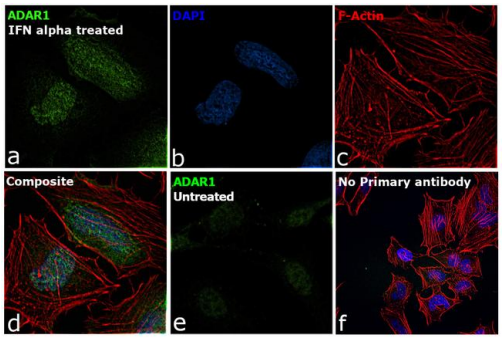
Product Details	
Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	JU99-33
Conjugate	Unconjugated
Immunogen	Recombinant protein within Human ADAR aa 180-280
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles, store in dark
RRID	AB_2848534

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:2,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-

Product Specific Information

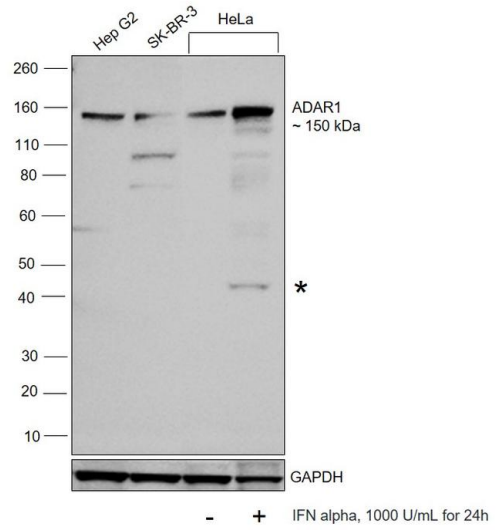
Positive Control: Hela, human lung cancer tissue, human colon cancer tissue, human kidney tissue, human pancreas tissue, SiHa.

Product Images For ADAR1 Recombinant Rabbit Monoclonal Antibody (JU99-33)



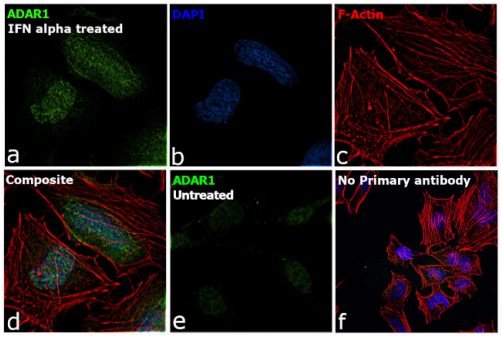
ADAR1 Antibody (MA5-34626)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using ADAR1 Recombinant Rabbit Monoclonal Antibody (JU99-33) (Product # MA5-34626), shows upregulation of ADAR1 in HeLa upon IFN alpha treatment. {TM}



ADAR1 Antibody (MA5-34626) in WB

Western blot was performed using Anti-ADAR1 Recombinant Rabbit Monoclonal Antibody (JU99-33) (Product # MA5-34626) and a 150 kDa band corresponding to ADAR1 was observed across all the 3 cell lines. * represents an uncharacterized band. Upregulation of ADAR1 was observed in Hela cells treated with 1000 U/mL of IFN alpha for 24h. Whole cell extracts (30 µg lysate) of Hep G2 (Lane 1), SK-BR-3 (Lane 2), HeLa (Lane 3), HeLa treated with IFN alpha (Lane 4) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). 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 (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1: 10000) using the iBright™ FL1500 Imaging System (Product # A44115). Chemiluminescent detection was performed using SuperSignal™ West Pico PLUS Chemiluminescent Substrate (Product # 34580).



ADAR1 Antibody (MA5-34626) in ICC/IF

Immunofluorescence analysis of ADAR1 was performed using 70% confluent log phase HeLa cells treated with 1000 U/mL of IFN alpha for 24h. The cells were fixed with 4% paraformaldehyde for 15 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 2% BSA for 45 minutes at room temperature. The cells were labeled with ADAR1 Recombinant Rabbit Monoclonal Antibody (JU99-33) (Product # MA5-34626) at 1:200 in 0.1% BSA, incubated at 4 degree celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790), (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, 1:300). Panel d represents the merged image showing Nuclear localization. Panel e represents the untreated HeLa cells and panel f represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

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