

# hnRNP K Monoclonal Antibody (F45 P9 C7)

Product Details	
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Rabbit, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	F45 P9 C7
Conjugate	Unconjugated
Immunogen	Synthetic peptide, conjugated to Ovalbumin, corresponding to residues S(453) V K Q Y S G K F F (463) of the hnRNP-K protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2120378

Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	-
Immunohistochemistry (IHC)	5 µg/mL	-
Immunocytochemistry (ICC/IF)	5 µg/mL	-
Immunoprecipitation (IP)	Assay-Dependent	-

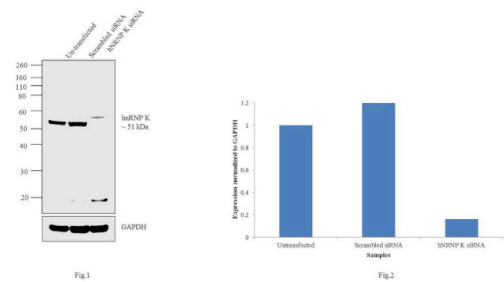
## Product Specific Information

MA1-087 detects the hnRNP-K in human, rat, chicken, rabbit, and mouse cells.

By Western blot, this antibody detects a ~51 kDa protein.

The MA1-087 immunogen is a synthetic peptide, conjugated to Ovalbumin, corresponding to residues S(453) V K Q Y S G K F F(463) of the hnRNP-K protein.

Product Images For hnRNP K Monoclonal Antibody (F45 P9 C7)

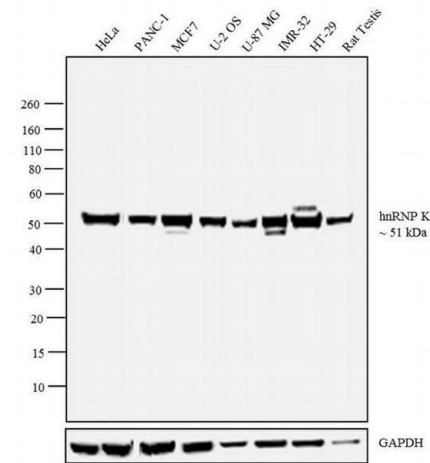


hnRNP K Antibody (MA1-087)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with hnRNP K siRNA and loss of signal was observed in Western Blot using Anti-hnRNP K Monoclonal Antibody (Product # MA1-087). {KD}

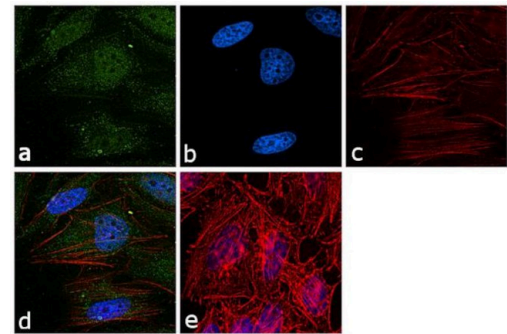
hnRNP K Antibody (MA1-087) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), PANC-1 (Lane 2), MCF7 (Lane 3), U-2 OS (Lane 4), U-87 MG (Lane 5), IMR-32 (Lane 6), HT-29 (Lane 7) and tissue extract of Rat Testis (Lane 10). The blot was probed with Anti-hnRNP K Mouse Monoclonal Antibody (Product # MA1-087, 2 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 51 kDa band corresponding to hnRNP K was observed across the cell lines and tissue tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5% skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



hnRNP K Antibody (MA1-087) in ICC/IF

Immunofluorescence analysis of hnRNP K was performed using 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with hnRNP K (F45 P9 C7) Mouse Monoclonal Antibody (Product # MA1-087) at 5µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing nuclear and cytoplasmic localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



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