

GRK2 Monoclonal Antibody (3F8)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3F8
Conjugate	Unconjugated
Immunogen	Purified recombinant fragment of human GRK2 expressed in E. Coli.
Form	Liquid
Storage buffer	ascites
Contains	0.03% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_11152830

Applications	Tested	Dilution	Published
Immunohistochemistry (Paraffin) (IHC (P))	-	1:1000	1 Publication
Immunohistochemistry (IHC)	✓	1/200 - 1/1000	1 Publication
Immunocytochemistry (ICC)	✓	1:200-1:1000	
Immunofluorescence (IF)	✓	1/200 - 1/1000	
Western Blot (WB)	✓	1/500 - 1/2000	

Product Specific Information

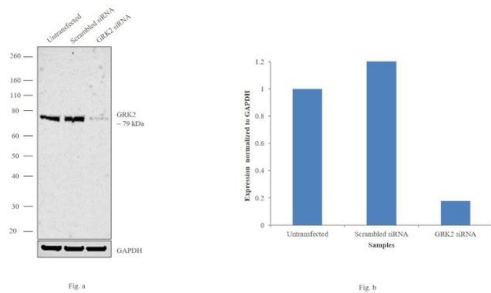
MA5-15840 targets GRK2 in IF, IHC, and WB applications and shows reactivity with Human, mouse, Non-human primate, and Rat samples.

The MA5-15840 immunogen is purified recombinant fragment of human GRK2 expressed in E. Coli. .

MA5-15840 detects GRK2 which has a predicted molecular weight of approximately 80kDa.

GRK2 Antibody (MA5-15840)

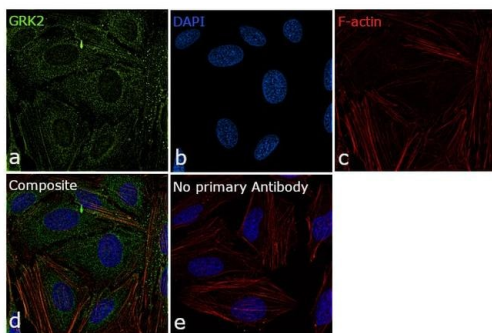
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HEK-293 cells were transfected with GRK2 siRNA and reduction of signal was observed in Western Blot using GRK2 Monoclonal Antibody (Product # MA5-15840). KnockDown validation info.



Product Images For GRK2 Monoclonal Antibody (3F8)

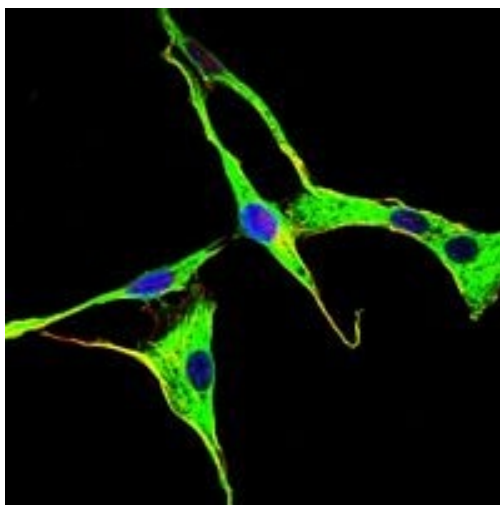
GRK2 Antibody (MA5-15840) in IF

Immunofluorescence analysis of GRK2 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 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with GRK2 Monoclonal Antibody (3F8) (Product # MA5-15840) at 1:250 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) 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 cytoplasmic localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



GRK2 Antibody (MA5-15840) in IF

Immunofluorescence analysis of NIH/3T3 cells using GRK2 monoclonal antibody (Product # MA5-15840) (Green). Blue: DRAQ5 fluorescent DNA dye.



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Immunohistochemistry (Paraffin) (1)

PloS one

A multistep high-content screening approach to identify novel functionally relevant target genes in pancreatic cancer.

"MA5-15840 was used in immunohistochemistry - paraffin section to develop a screening strategy to rationally select novel and relevant candidate genes to target therapeutically"

Authors: Buchholz M,Honstein T,Kirchhoff S,Kreider R,Schmidt H,Sipos B,Gress TM

Species
Human

Dilution
Not Cited

Year
2016

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