Product Datasheet

GRK2 Antibody (3F8)
NBP2-37611

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

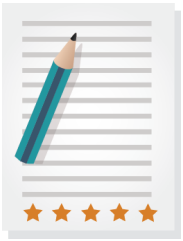
www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-37611

Updated 1/11/2026 v.20.1

Earn rewards for product reviews and publications.
Submit a publication at www.novusbio.com/publications
Submit a review at www.novusbio.com/reviews/destination/NBP2-37611



NBP2-37611

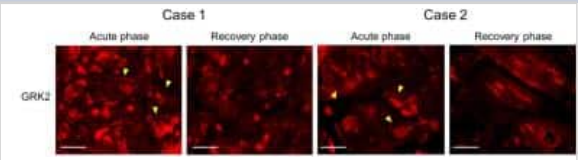
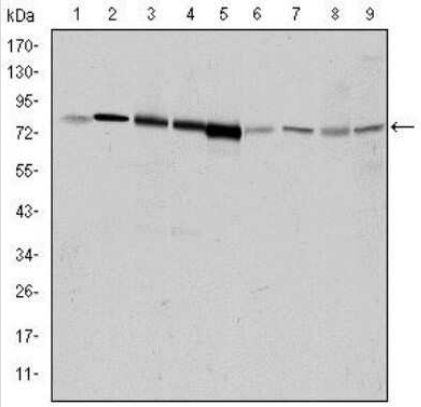
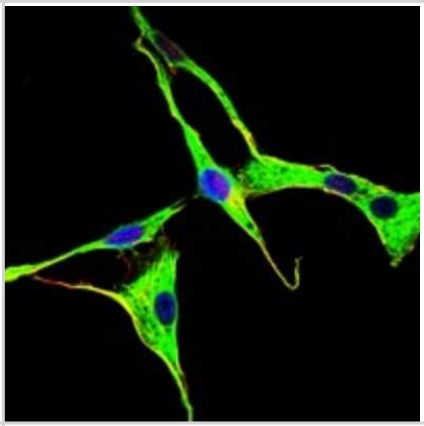
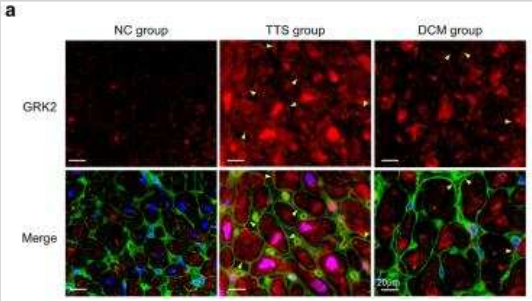
GRK2 Antibody (3F8)

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3F8
Preservative	0.03% Sodium Azide
Isotype	IgG1
Purity	Ascites
Buffer	Ascites
Target Molecular Weight	80 kDa

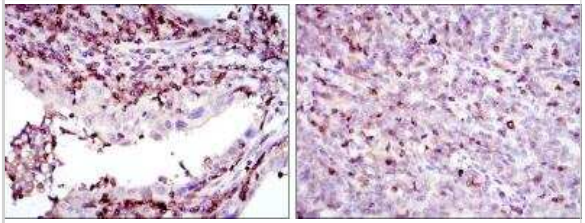
Product Description	
Description	Novus Biologicals Mouse GRK2 Antibody (3F8) (NBP2-37611) is a monoclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-GRK2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	156
Gene Symbol	GRK2
Species	Human, Mouse, Rat, Primate, Monkey
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Purified recombinant fragment of human GRK2 expressed in E. Coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500 - 1:2000, ELISA 1:10000, Immunohistochemistry 1:200 - 1:1000, Immunocytochemistry/ Immunofluorescence 1:200 - 1:1000, Immunohistochemistry-Paraffin 1:200 - 1:1000

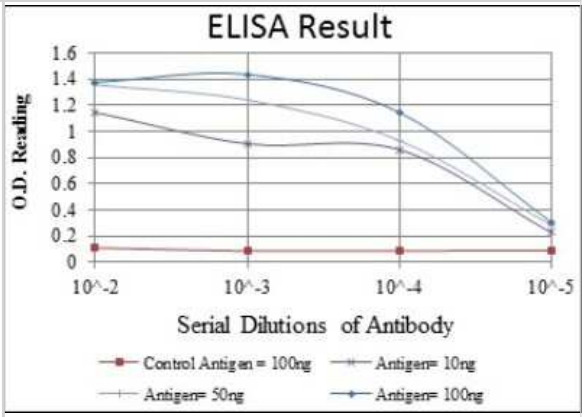
Images

Immunohistochemistry: GRK2 Antibody (3F8) [NBP2-37611] - Localization of G protein-coupled receptor kinase 2 (GRK2) in two patients with takotsubo syndrome who underwent endomyocardial biopsy in both the acute and recovery phases. Micrographs showing immunofluorescence stainings of GRK2 in the acute and recovery phases. Arrowheads (yellow) indicate positive signals for GRK2. Image collected and cropped by CiteAb from the following publication (nature.com/articles/s41598-018-31034-z) licensed under a CC-BY license.	
Western Blot: GRK2 Antibody (3F8) [NBP2-37611] - Analysis using GRK2 mouse mAb against Hela (1), Jurkat (2), MOLT4 (3), RAJI (4), THP-1 (5), L1210 (6), Cos7 (7), PC-12 (8), and NIH/3T3 (9) cell lysate.	
Immunocytochemistry/Immunofluorescence: GRK2 Antibody (3F8) [NBP2-37611] - Analysis of NIH/3T3 cells using GRK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.	
Immunohistochemistry: GRK2 Antibody (3F8) [NBP2-37611] - Localization of G protein-coupled receptor kinase 2 (GRK2). (a) Immunohistofluorescence staining for GRK2 using the specific antibody. GRK2 (red) in the takotsubo syndrome (TTS) and dilated cardiomyopathy (DCM) groups were observed not only in the cytoplasm but also on the cell membrane, which was confirmed by colocalization with wheat germ agglutinin (WGA) (green) (Arrowheads). Blue staining localized to 4',6-diamidino-2-phenylindole (DAPI). Image collected and cropped by CiteAb from the following publication (nature.com/articles/s41598-018-31034-z) licensed under a CC-BY license.	

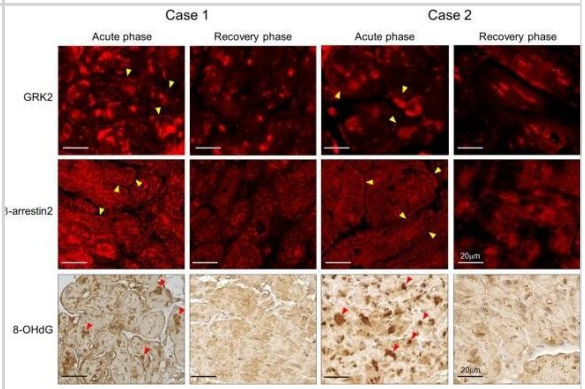
Immunohistochemistry-Paraffin: GRK2 Antibody (3F8) [NBP2-37611] - Analysis of endometrial cancer tissues (left) and cervical cancer tissues (right) using GRK2 mouse mAb with DAB staining.



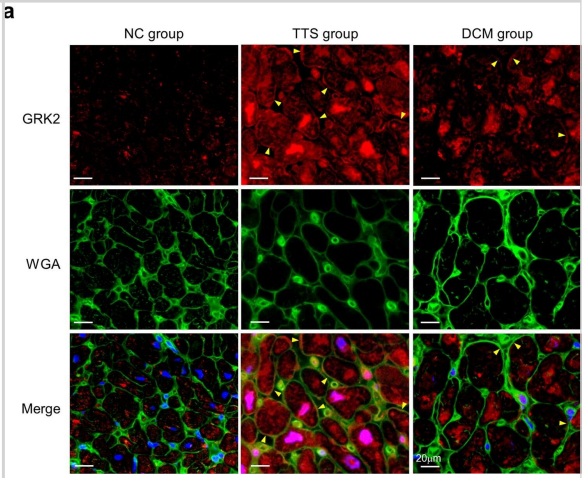
ELISA: GRK2 Antibody (3F8) [NBP2-37611] - Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



Immunocytochemistry/ Immunofluorescence: GRK2 Antibody (3F8) - BSA Free [NBP2-37611] - Localization of G protein-coupled receptor kinase 2 (GRK2), β-arrestin2, & 8-hydroxy-2′deoxyguanosine (8-OHdG) in two patients with takotsubo syndrome who underwent endomyocardial biopsy in both the acute & recovery phases. Micrographs showing immunofluorescence stainings of GRK2 & β-arrestin2, & immunohistochemical staining of 8-OHdG in the acute & recovery phases. Arrowheads (yellow) indicate positive signals for GRK2 & β-arrestin2 on the cell membrane, & Arrowheads (red) indicate 8-OHdG-positive nuclei. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30143703), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Immunocytochemistry/ Immunofluorescence: GRK2 Antibody (3F8) - BSA Free [NBP2-37611] - Localization of G protein-coupled receptor kinase 2 (GRK2). (a) Immunohistofluorescence staining for GRK2 using the specific antibody. GRK2 (red) in the takotsubo syndrome (TTS) & dilated cardiomyopathy (DCM) groups were observed not only in the cytoplasm but also on the cell membrane, which was confirmed by colocalization with wheat germ agglutinin (WGA) (green) (Arrowheads). Blue staining localized to 4′,6-diamidino-2-phenylindole (DAPI). (b) Quantification for GRK2 positive stained area in the myocardium. The box represents the 25th & 75th percentiles & the line the median value. Whiskers correspond to the 25th percentile minus 1.5 times interquartile range (IQR) & to the 75th percentile plus 1.5 IQR. (c) Quantification for membranous GRK2 positive cardiomyocyte. *P < 0.001 vs. the normal control (NC) group. †P < 0.001 vs. the DCM group. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/30143703), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Nakano T, Onoue K, Nakada Y et al. Alteration of b-Adrenoceptor Signaling in Left Ventricle of Acute Phase Takotsubo Syndrome: a Human Study Sci Rep 2018-08-24 [PMID: 30143703] (IF/IHC, Human)

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP2-37611

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-37611

Earn gift cards/discounts by submitting a publication using this product: www.novusbio.com/publications