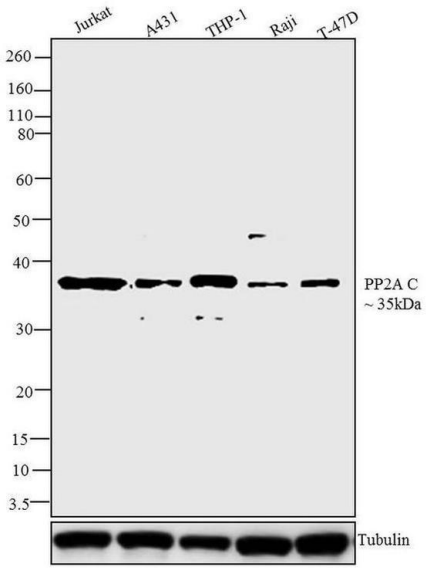
PPP2R5C Monoclonal Antibody (TQ11-1G6)

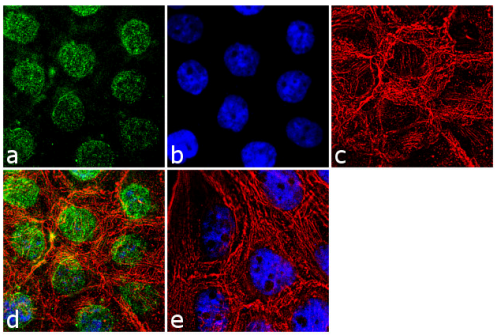
Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Xenopus
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	TQ11-1G6
Conjugate	Unconjugated
Immunogen	specific to Human PP2A B56
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533409

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:20	-
Immunocytochemistry (ICC/IF)	1:250	-

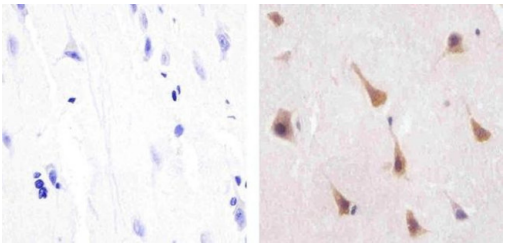
Product Images For PPP2R5C Monoclonal Antibody (TQ11-1G6)



PPP2R5C Antibody (39-3600) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of Jurkat (Lane 1), A431 (Lane 2), THP-1 (Lane 3), Raji (Lane 4) and T-47D (Lane 5).The blots were probed with Anti-PP2A B56-gamma Mouse Monoclonal Antibody (Product # 39-3600, 1-3 µg/mL) and detected by chemiluminescence Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 35 kDa band corresponding to PP2A B56-gamma was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane by 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).



PPP2R5C Antibody (39-3600) in ICC/IF
Immunofluorescence analysis of PP2A B56-gamma was done on 70% confluent log phase A549 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 PP2A B56-gamma (TQ11-1G6) Mouse Monoclonal Antibody (Product # 39-3600) at 1: 250 dilution in0.1% 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) at 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 is a merged image showing nuclear localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



PPP2R5C Antibody (39-3600) in IHC (P)
Immunohistochemistry analysis of PP2A B56-gamma showing staining in the cytoplasm and nucleus of paraffin-embedded human brain tissue (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H2O2-methanol for 15 min at room temperature, washed with ddH2O and PBS, and then probed with a Anti- PP2A B56-gamma Monoclonal Antibody (TQ11-1G6) (Product # 39-3600) diluted in 3% BSA-PBS at a dilution of 1:20 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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1 Reference

Western Blot (1)

The Journal of biological chemistry

The 48-kDa alternative translation isoform of PP2A:B56epsilon is required for Wnt signaling during midbrain-hindbrain boundary formation.

Authors: Jin Z,Shi J,Saraf A,Mei W,Zhu GZ,Strack S,Yang J

Year
2009

Species
Xenopus