

# KCNQ4 Monoclonal Antibody (N43/6), APC

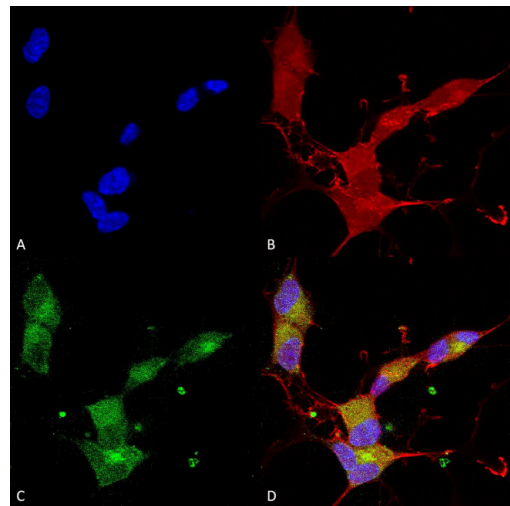
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	N43/6
Conjugate	APC
Excitation/Emission Max	651/660 nm
Immunogen	Fusion protein amino acids 2-77 of human KCNQ4
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	47.35mM phosphate/2.15mM MES, pH 7.4, with 1.033mM EDTA
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:1,000	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	1:1,000	-
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	Assay-dependent	-
Antibody Microarray (AM)	Assay-dependent	-

## Product Specific Information

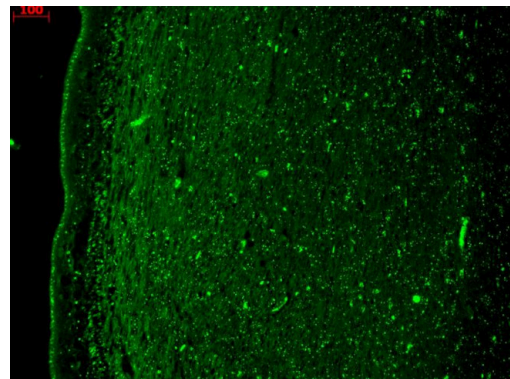
1 µg/mL of MA5-45411 was sufficient for detection of KCNQ4 in 10 µg of COS-1 cell lysate transiently expressing KCNQ4 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody. | Detects approximately 77kDa.

Product Images For KCNQ4 Monoclonal Antibody (N43/6), APC



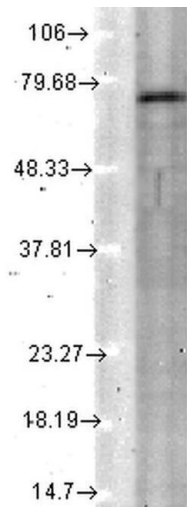
**KCNQ4 Antibody (MA5-45411) in ICC/IF**

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with KCNQ4 monoclonal antibody (Product # MA5-45411) at 1:100 for overnight at 4°C with slow rocking, followed by AlexaFluor 488 at 1:1,000 for 1 hour at RT. Counterstain used was Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) KCNQ4 antibody (D) Composite.



**KCNQ4 Antibody (MA5-45411) in IHC (P)**

Immunohistochemistry analysis using hippocampus. Fixation involved Bouins Fixative and paraffin-embedded. Samples were incubated with KCNQ4 monoclonal antibody (Product # MA5-45411) at 1:1,000 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT.



**KCNQ4 Antibody (MA5-45411) in WB**

Western Blot analysis of Rat tissue lysate showing detection of KCNQ4 protein. Load: 15 µg. Blocking: 1.5% BSA for 30 minutes at RT. Samples were incubated with KCNQ4 monoclonal antibody (Product # MA5-45411) at 1:1,000 for 2 hours at RT, followed by Sheep Anti-Mouse IgG: HRP for 1 hour at RT.

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