

# TRPC7 Monoclonal Antibody (N64A/36), PerCP

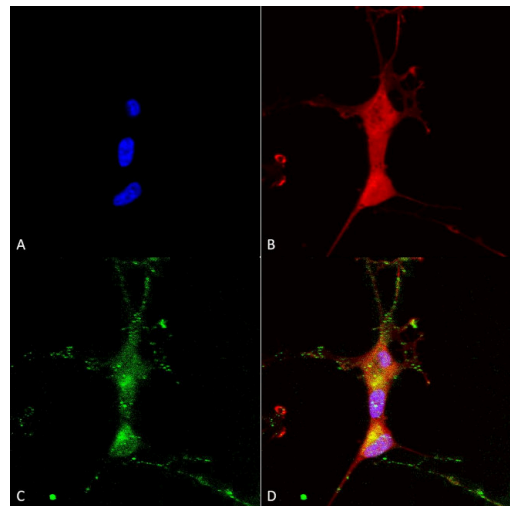
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	N64A/36
Conjugate	PerCP
Excitation/Emission Max	482/675 nm
Immunogen	Synthetic peptide amino acids 845-862 of human TRPC7
Form	Liquid
Concentration	1 mg/mL
Purification	Protein 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))	1:100	-
Immunocytochemistry (ICC/IF)	1:100	-
Immunoprecipitation (IP)	Assay-dependent	-
Antibody Microarray (AM)	Assay-dependent	-

## Product Specific Information

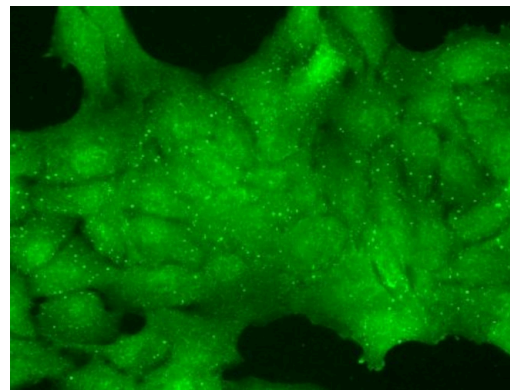
1 µg/mL of MA5-45475 was sufficient for detection of TrpC7 in 10 µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.| Detects approximately 100kDa.

Product Images For TRPC7 Monoclonal Antibody (N64A/36), PerCP



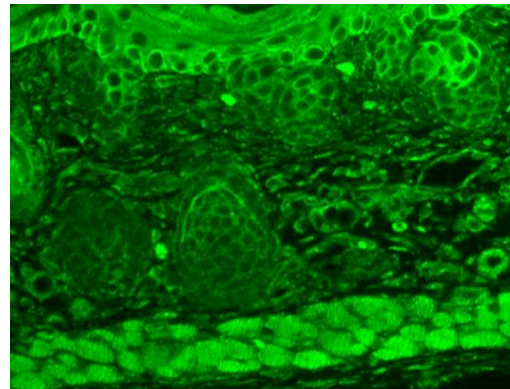
TRPC7 Antibody (MA5-45475) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using human neuroblastoma cells. Fixation involved 4% PFA for 15 min. Samples were incubated with TrpC7 monoclonal antibody (Product # MA5-45475) 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) TrpC7 antibody (D) Composite.



TRPC7 Antibody (MA5-45475) in ICC/IF

Immunocytochemistry/Immunofluorescence analysis using HaCaT cells. Fixation involved Cold 100% methanol for 10 minutes at -20°C. Samples were incubated with TrpC7 monoclonal antibody (Product # MA5-45475) at 1:100 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Nuclear staining.



TRPC7 Antibody (MA5-45475) in IHC (P)

Immunohistochemistry analysis using backskin. Fixation involved Bouins Fixative and paraffin-embedded. Samples were incubated with TrpC7 monoclonal antibody (Product # MA5-45475) at 1:100 for 1 hour at RT, followed by FITC Goat Anti-Mouse (green) at 1:50 for 1 hour at RT. Localization: Everything.

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