

AB-NN351-1

TrpC7 Antibody

Pan-specific monoclonal antibody (S64A-36) for monitoring the expression of human TrpC7



KINEXUS

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Target Protein

Name Long:	Short transient receptor potential channel 7 (TrpC7)
Alias:	TRP7, KNP3, TRPM2, transient receptor potential cation channel subfamily C member 7
UniProt ID:	Q9HCX4 - Human
Human Predicted Mass (kDa):	99.562 (862 AA; Q9HCX4-1); 92.429 (801 AA; Q9HCX4-3); 86.277 (746 AA; Q9HCX4-2)
Observed SDS-PAGE Mass (kDa):	100

Immunogen

Antibody Immunogen Source:	Synthetic peptide amino acids 845-862 of human TRPC7
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Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	39 IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline, pH 7.4, 50% glycerol, 0.09% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF IP
Antibody Dilution Recommended:	WB (1:1000), IHC (1:1000), ICC/IF (1:100); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	1 µg/ml of SMC-343 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.
Target Detection Immunoblotting:	Detects a ~100 kDa protein.
Antibody Specificity:	Medium-High

This product is for in vitro research use only and is not intended for use in humans or animals.

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