AB-NK305-1

TrpM7 Antibody

Pan-specific monoclonal antibody (S74-25) for monitoring the expression of mouse TrpM7

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Target Protein

Name Long:	Transient receptor potential cation channel subfamily M member 7
Alias:	CHAK, CHAK1, Channel kinase 1, Channel-kinase 1, Long transient receptor potential channel 7, LTrpC-7, LTRPC7, Transient receptor potential cation channel subfamily M member 7, TRP PLIK, TRPM7, TRPM7_HUMAN
UniProt ID:	Q96QT4 - Mouse
Human Predicted Mass (KDa):	212.697 (1865 AA; A0A024R5V1-1)
Observed SDS-PAGE Mass (KDa):	220

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1817-1863 (C- terminus) of mouse TrpM7

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	196 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-316 was sufficient for detection of TrpM7 in 10 µg of COS cell lysate transiently transfected with TprM7 by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	Detects a ~220 kDa protein.
Antibody Specificity:	Very high
Antibody Cross Reactivities:	No cross-reactivity against TrpM6.