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KCNC3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant KCNC3.
Catalog # AT2591a

Product Information

Application	WB, IF
Primary Accession	Q14003
Other Accession	NM_004977
Reactivity	Human, Mouse
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1C1
Calculated MW	80578

Additional Information

Gene ID	3748
Other Names	Potassium voltage-gated channel subfamily C member 3, KSHIIID, Voltage-gated potassium channel subunit Kv33, KCNC3
Target/Specificity	KCNC3 (NP_004968, 671 a.a. ~ 757 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	KCNC3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

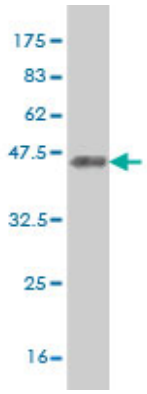
The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to one of these subfamilies, namely the Shaw subfamily. The protein encoded by this gene belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes.

References

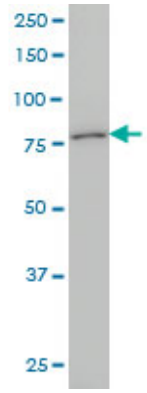
1.Volumetric and ionic regulation during the in vitro development of a corneal endothelial barrier.Alaminos

A, Gonzalez-Andrades M, Munoz-Avila JI, Garzon I, Sanchez-Quevedo MC, Campos A.Exp Eye Res. 2008 May;86(5):758-69. Epub 2008 Feb 26.

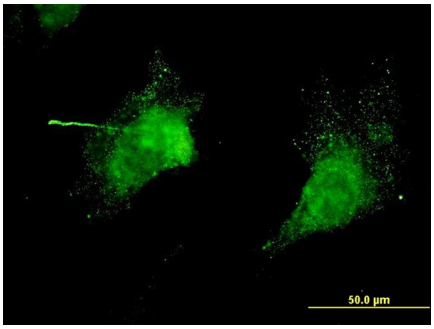
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.31 KDa) .



KCNC3 monoclonal antibody (M01), clone 1C1 Western Blot analysis of KCNC3 expression in NIH/3T3 ((Cat # AT2591a)



Immunofluorescence of monoclonal antibody to KCNC3 on NIH/3T3 cell. [antibody concentration 10 ug/ml]