

KCNC3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant KCNC3.****Catalog # AT2591a****Specification**

KCNC3 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF
Primary Accession	Q14003
Other Accession	NM_004977
Reactivity	Human, Mouse
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	80578

KCNC3 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 3748**Other Names**

Potassium voltage-gated channel subfamily C member 3, KSHIID, 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.

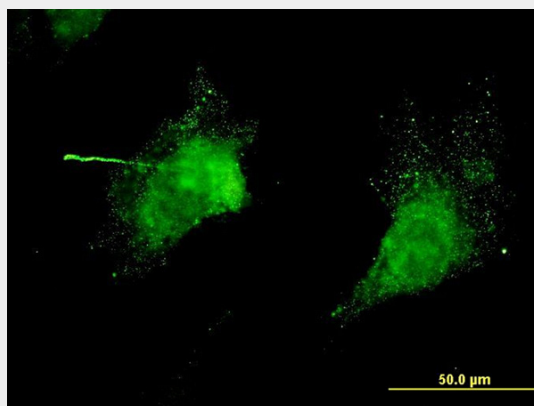
KCNC3 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

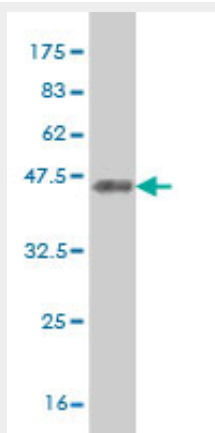
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

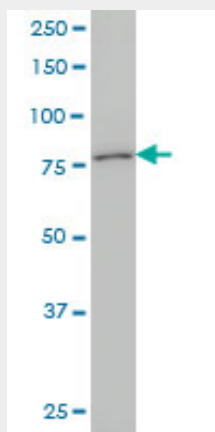
KCNC3 Antibody (monoclonal) (M01) - Images



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



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)

KCNC3 Antibody (monoclonal) (M01) - 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.

KCNC3 Antibody (monoclonal) (M01) - 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.