

## KCNJ10 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant KCNJ10. Catalog # AT2598a

### **Specification**

# KCNJ10 Antibody (monoclonal) (M01) - Product Information

Application WB, E **Primary Accession** P78508 Other Accession NM 002241 Reactivity Human Host mouse Clonality **Monoclonal** Isotype IgG2a Kappa Calculated MW 42508

# KCNJ10 Antibody (monoclonal) (M01) - Additional Information

#### **Gene ID 3766**

#### **Other Names**

ATP-sensitive inward rectifier potassium channel 10, ATP-dependent inwardly rectifying potassium channel Kir41, Inward rectifier K(+) channel Kir12, Potassium channel, inwardly rectifying subfamily J member 10, KCNJ10

## Target/Specificity

KCNJ10 (NP 002232, 276 a.a. ~ 379 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

#### Dilution

WB~~1:500~1000

 $E \sim N/A$ 

#### **Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2.

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

### **Precautions**

KCNJ10 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## KCNJ10 Antibody (monoclonal) (M01) - Protocols

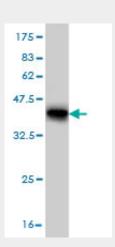
Provided below are standard protocols that you may find useful for product applications.

Western Blot

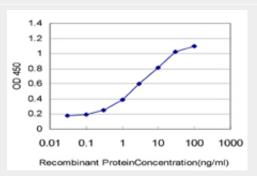


- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# KCNJ10 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.18 KDa).



Detection limit for recombinant GST tagged KCNJ10 is approximately 0.03ng/ml as a capture antibody.

## KCNJ10 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the inward rectifier-type potassium channel family, characterized by having a greater tendency to allow potassium to flow into, rather than out of, a cell. The encoded protein may form a heterodimer with another potassium channel protein and may be responsible for the potassium buffering action of glial cells in the brain. Mutations in this gene have been associated with seizure susceptibility of common idiopathic generalized epilepsy syndromes.

### KCNJ10 Antibody (monoclonal) (M01) - References

1.Free radical stress-mediated loss of Kcnj10 protein expression in stria vascularis contributes to deafness in Pendred syndrome mouse model. Singh R, Wangemann P.Am J Physiol Renal Physiol. 2008 Jan;294(1):F139-48. Epub 2007 Oct 24.