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KCNJ10 Antibody (monoclonal) (M01)

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

Product Information

Application	WB, E
Primary Accession	P78508
Other Accession	NM_002241
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C11
Calculated MW	42508

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

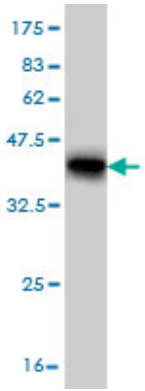
Background

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.

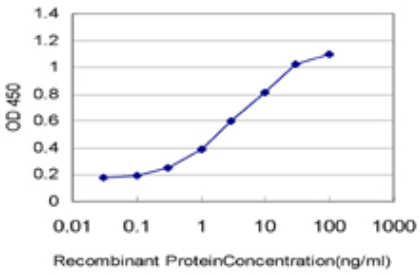
References

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.

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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.