



# KIR2.1 Monoclonal Antibody

Catalog No	BYmab-16441
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC;IF;ELISA
Gene Name	KCNJ2
Protein Name	Inward rectifier potassium channel 2
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNJ2. AA range:81-130
Specificity	KIR2.1 Monoclonal Antibody detects endogenous levels of KIR2.1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KCNJ2; IRK1; Inward rectifier potassium channel 2; Cardiac inward rectifier potassium channel; Inward rectifier K(+) channel Kir2.1; IRK-1; hIRK1; Potassium channel; inwardly rectifying subfamily J member 2
Observed Band	48kD
Cell Pathway	Membrane; Multi-pass membrane protein. Membrane; Lipid-anchor .
Tissue Specificity	Heart, brain, placenta, lung, skeletal muscle, and kidney. Diffusely distributed throughout the brain.

Nanjing BYabscience technology Co.,Ltd

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**Function**

disease:Defects in KCNJ2 are the cause of long QT syndrome type 7 (LQT7) [MIM:170390]; also called Andersen syndrome or Andersen cardiodysrhythmic periodic paralysis. Long QT syndromes are heart disorders characterized by a prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress.

**Background**

Potassium channels are present in most mammalian cells, where they participate

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For

Western Blot analysis of various cells using KIR2.1  
Monoclonal Antibody diluted at 1:500

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using KCNJ2 Antibody. The picture on the right is blocked with the synthesized peptide.

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