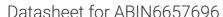
# antibodies .- online.com





## anti-KCNMB4 antibody (Extracellular Domain)



Go to Product page

Quantity:	100 μg
Target:	KCNMB4
Binding Specificity:	Extracellular Domain
Reactivity:	Mouse

HOST:	Mouse
Clonality:	Monoclonal

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Application:	Western Blotting (WB), Immunohistochemistry (IHC), Fluorescence Microscopy (FM),

This KCNMB4 antibody is un-conjugated

Immunoprecipitation (IP)

#### **Product Details**

Conjugate:

Overview

FIOUUCI Details	
Immunogen:	Immunogen: BK Beta 4 Antibody was produced in mice by repeated immunizations with a fusion protein (entire extracellular domain) of mouse BKBeta4.  Immunogen Type: Recombinant Protein
Clone:	S18A-3
Isotype:	lgG2a
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Anti-BK Beta4 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with BK Beta4 from Human, Mouse, and Rat based on 100%

homology with the immunizing sequence. No cross-reactivity against BKBeta1, BKBeta2 or

BKBeta3. Cross-reactivity with BK Beta4 from other sources has not been determined. Ion

Channels research.

## Target Details

Target:	KCNMB4
Alternative Name:	BK Beta 4 (KCNMB4 Products)
Background:	Synonyms: calcium-activated potassium channel subunit beta-4, BK channel subunit beta-4,
	BKbeta4, Calcium-activated potassium channel, subfamily M subunit beta-4, Charybdotoxin
	receptor subunit beta-4, K(VCA)beta-4, Maxi K channel subunit beta-4, Slo-beta-4
	Background: BK channels contribute to electrical impulses, proper signal transmission of
	information and regulation of neurotransmitter release. A gain of function mutation in the pore-
	forming alpha subunit of the BK channel was linked to human neurological diseases. Findings
	suggest that the distribution of the beta subunits in the brain can modulate the BK channels to
	contribute to the pathophysiology of epilepsy and dyskinesia. This has major implications on
	other physiological processes in tissues other than the brain.
	Gene Name: Kcnmb4
NCBI Accession:	NP_067427

#### **Application Details**

Application Details	
Application Notes:	Immunohistochemistry Dilution: 0.1-1.0 μg/mL
	Application Note: Anti-BK Beta4 Antibody is suitable for use in WB, IP, IF, and IHC. Antibody is
	provided in PBS pH 7.4. Expect a band approximately $\sim\!24$ kDa on specific lysates. Specific
	conditions for reactivity should be optimized by the end user.
	Immunoprecipitation Dilution: User Optimized
	Western Blot Dilution: 1 μg/mL
	IF Microscopy Dilution: 1.0-10 μg/mL
Restrictions:	For Research Use only
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### Handling

Format:	Liquid
Buffer:	Buffer: Stabilizer: 50 % (v/v) Glycerol
	0.09 % (w/v) Sodium Azide

## Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.