



# KCNK9 (TASK-3) Monoclonal Antibody

<b>Catalog No</b>	BYmab-01202
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse
<b>Applications</b>	WB
<b>Gene Name</b>	KCNK9
<b>Protein Name</b>	Potassium channel subfamily K member 9 (Acid-sensitive potassium channel protein TASK-3) (TWIK-related acid-sensitive K(+) channel 3) (Two pore potassium channel KT3.2) (Two pore K(+) channel KT3.2)
<b>Immunogen</b>	Synthetic Peptide of KCNK9 (TASK-3) AA range: 220-270
<b>Specificity</b>	KCNK9(TASK-3) protein(A239) detects endogenous levels of KCNK9(TASK-3)
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Potassium channel subfamily K member 9 (Acid-sensitive potassium channel protein TASK-3;TWIK-related acid-sensitive K(+) channel 3;Two pore potassium channel KT3.2;Two pore K(+) channel KT3.2)
<b>Observed Band</b>	42kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Mainly found in the cerebellum. Also found in adrenal gland, kidney and lung.
<b>Function</b>	disease:Defects in KCNK9 may be the cause of a syndrome of mental retardation, hypotonia, and facial dysmorphism; also known as Birk Barel syndrome.,disease:Overexpressed in a high proportion of breast cancers. May confer resistance to growth factor deprivation and hypoxia, thereby promoting tumor cell survival in poorly oxygenated areas of solid tumors.,function:pH-dependent, voltage-insensitive, background potassium channel protein.,miscellaneous:Inhibited by phorbol 12-myristate 13-acetate (PMA). TASK-3 current is strongly decreased in the presence of an extracellular

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pH inferior to 7.0.,similarity:Belongs to the two pore domain potassium channel (TC 1.A.1.8) family.,tissue specificity:Mainly found in the cerebellum. Also found in adrenal gland, kidney and lung.,

#### Background

This gene encodes a protein that contains multiple transmembrane regions and two pore-forming P domains and functions as a pH-dependent potassium channel. Amplification and overexpression of this gene have been observed in several types of human carcinomas. This gene is imprinted in the brain, with preferential expression from the maternal allele. A mutation in this gene was associated with Birk-Barel mental retardation dysmorphism syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013],

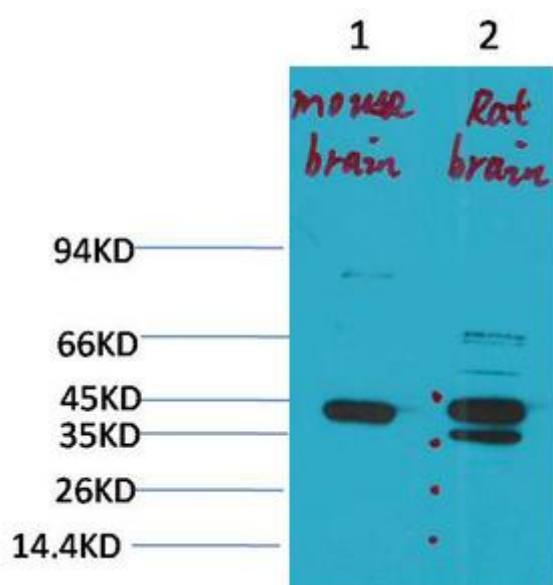
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of various cells using KCNK9 (TASK-3) Monoclonal Antibody

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