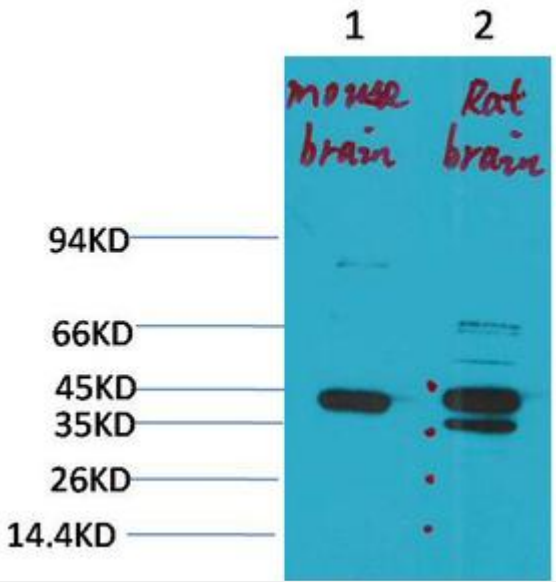
KCNK9 (TASK-3) Monoclonal Antibody

Catalog No	YP-mAb-01202
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	KCNK9
Protein Name	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)
Immunogen	Synthetic Peptide of KCNK9 (TASK-3) AA range: 220-270
Specificity	KCNK9(TASK-3) protein(A239) detects endogenous levels of KCNK9(TASK-3)
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
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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)
Observed Band	42kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Mainly found in the cerebellum. Also found in adrenal gland, kidney and lung.
Function	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 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