antibodies

# Datasheet for ABIN7043456 anti-KCNK9 antibody (Extracellular, P1 Loop)



2

Images

Overview	
Quantity:	25 µL
Target:	KCNK9
Binding Specificity:	AA 57-73, Extracellular, P1 Loop
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Product Details	
Immunogen:	Immunogen: Synthetic peptide
	Immunogen Sequence: (C)DDYQQLELVILQSEPHR, corresponding to amino acid residues 57-73
	of rat KCNK9
Isotype:	IgG
Characteristics:	Anti-KCNK9 (TASK-3) (extracellular) Antibody (ABIN7043456, ABIN7044953 and
	ABIN7044954)) is a highly specific antibody directed against an epitope of the rat protein. The
	antibody can be used in western blot and immunohistochemistry applications. The antibody
	recognizes an extracellular epitope and is thus ideal for detecting the channel in living cells. It
	has been designed to recognize TASK-3 from rat and human samples.
Purification:	Affinity purified on immobilized antigen.

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### Target Details

Target:	KCNK9
Alternative Name:	KCNK9 (TASK-3) (KCNK9 Products)
Background:	Alternative names: KCNK9 (TASK-3), Potassium channel subfamily K member 9, K2P9.1, TWIK- related acid-sensitive K+ channel 3, Two pore K+ channel KT3.2
Gene ID:	84429
NCBI Accession:	NM_016601
UniProt:	Q9ES08

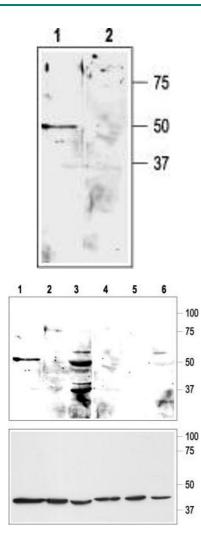
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

### Handling

Format:	Lyophilized
Reconstitution:	25 $\mu\text{L},$ 50 $\mu\text{L}$ or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.75 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
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:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and
	thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

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#### Western Blotting

**Image 1.** Western blot analysis of rat cerebellum lysate: -1. Anti-KCNK9 (TASK-3) (extracellular) Antibody (ABIN7043456, ABIN7044953 and ABIN7044954), (1:200).2. Anti-KCNK9 (TASK-3) (extracellular) Antibody, preincubated with the control peptide antigen.

#### Western Blotting

**Image 2.** Western blot analysis of KCNK9 in rat cerebellum (lanes 1, 4), human mammary gland MCF-10A (lanes 2, 5) and MCF-7 (lanes 3, 6) cell lysates (upper panel): - 1-3. Anti-KCNK9 (TASK-3) (extracellular) Antibody (ABIN7043456, ABIN7044953 and ABIN7044954).4-6. Anti-KCNK9 (TASK-3) (extracellular) Antibody, preincubated with KCNK9/TASK-3 (extracellular) Blocking Peptide (#BLP-PC044). Lower panel: anti- $\beta$  actin to ensure equal loading. Note that the expected 50 kD MW band is present in cerebellum and in the tumorigenic breast cancer cell line (MCF-7) but not in the non-tumorigenic breast cell line (MCF-10A).

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