



Anti-KCNA4 monoclonal antibody, clone T24-42 (DCABH-10384)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to Kv1.4
Antigen Description	Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.
Specificity	Specificity: 98%. No cross reactivity against Kv1.1, Kv1.2, Kv1.3, Kv1.5, and Kv1.6 expressed in transfected cells.
Immunogen	Synthetic peptide: NSHMPYGYAAQARARERERLAHSR, corresponding to amino acids 14-37 of Rat Kv1.4 (P15385).
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Mouse, Rat, Human
Clone	T24-42
Conjugate	Unconjugated
Applications	WB, IHC-P, ICC/IF
Positive Control	Rat brain lysate
Format	Liquid
Size	100 µg

Buffer	Preservative: 0.09% Sodium Azide; Constituents: 50% Glycerol, PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Store at -20°C.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	Kcna4 potassium voltage-gated channel, shaker-related subfamily, member 4 [Rattus norvegicus]
Official Symbol	KCNA4
Synonyms	KCNA4; potassium voltage-gated channel, shaker-related subfamily, member 4; potassium voltage-gated channel subfamily A member 4; RCK4; voltage-gated potassium channel subunit Kv1.4; potassium voltage gated channel, shaker related subfamily, member 4; Kv4
Entrez Gene ID	25469
Protein Refseq	NP_037103
UniProt ID	P15385
Function	ion channel activity; potassium channel activity; potassium ion binding; protein binding; voltage-gated ion channel activity; voltage-gated potassium channel activity; voltage-gated potassium channel activity;