

Allgemeine Informationen

Katalog-Nr.: 14079-1-AP	GenBank-Zugangsnummer: BC035059	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 600 µg/ml von Nanodrop und 367 µg/ml durch die Bradford-Methode mit BSA als Standard;	GeneID (NCBI): 3738	Empfohlene Verdünnungen: WB 1:500-1:2000 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: potassium voltage-gated channel, shaker-related subfamily, member 3	
Isotyp: IgG	Berechnete Masse: 575 aa, 64 kDa	
Immunogen Katalognummer: AG5204	Beobachtete Masse: 52 kDa, 75 kDa	

Anwendungen

Geprüfte Anwendungen: IF, WB, ELISA	Positivkontrollen: WB : A549-Zellen, Maus-Thymusgewebe IF : Rattenhirngewebe,
In Publikationen genannte Anwendungen: WB	
Getestete Reaktivität: Human, Maus, Ratte	
Zitierte Arten: Human, Maus, Ratte	

Hintergrundinformationen

Kv1.3 (also known as KCNA3, MK3, HGK5, HLK3, PCN3, HPCN3) contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, members of which allow nerve cells to efficiently repolarize following an action potential. It plays an essential role in T cell proliferation and activation. Kv1.3 channels are expressed in in various tissues and cell types including brain, vascular smooth muscle cells and leucocytes. Malfunction of Kv1.3 can alter the immune response, elicit neurotoxic effects or impact on cancer growth(PMID: 24305723; 24133455). 14079-1-AP can detect two isoforms of Kv1.3 other than the canonical channel (60 kDa) : A longer isoform (70 kDa) and a truncated isoform (43 kDa).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yange Lang	32910509	FASEB J	WB
Xiaolong He	31320730	Cell Mol Immunol	WB
Wenjuan Liu	25550925	Int J Clin Exp Med	WB

Lagerung

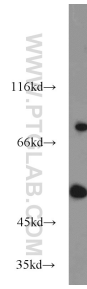
Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

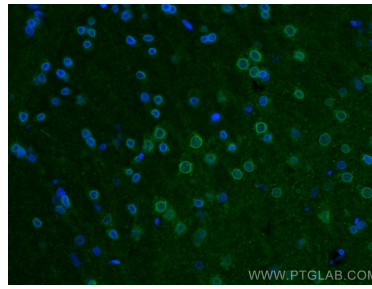
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Ausgewählte Validierungsdaten



A549 cells were subjected to SDS PAGE followed by western blot with 14079-1-AP (Kv1.3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Rat brain tissue using Kv1.3 antibody (14079-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).