Datasheet for ABIN1531683

anti-Kv2.1/KCNB1 antibody (pSer567)

2 Images

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Overview

Quantity:	100 µg
Target:	Kv2.1/KCNB1 (KCNB1)
Binding Specificity:	AA 533-582, pSer567
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv2.1/KCNB1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	The antiserum was produced against synthesized peptide derived from human Kv2.1/KCNB1 around the phosphorylation site of Ser567.
Isotype:	IgG
Specificity:	Kv2.1/KCNB1 (Phospho-Ser567) Antibody detects endogenous levels of Kv2.1/KCNB1 only when phosphorylated at Ser567. PhosphorylationH:S567 M:S567 R:S567
Purification:	The antibody was purified from rabbit antiserum by affinity-chromatography using phospho peptide. The antibody against non-phospho peptide was removed by chromatography using corresponding non-phospho peptide.
Purity:	> 95 %

Target Details

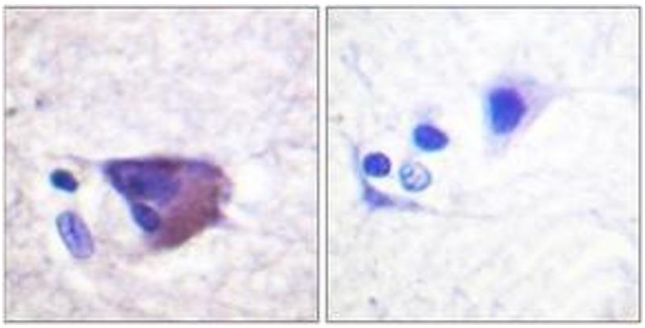
Target:	Kv2.1/KCNB1 (KCNB1)
Alternative Name:	Kv2.1/KCNB1 (KCNB1 Products)
Background:	Synonyms: DRK1, KCB1, KCNB1, Potassium channel Kv2.1, Potassium voltage-gated channel subfamily B member 1 NCBI Gene Symbol: KCNB1
Molecular Weight:	95 kDa
Gene ID:	3745
OMIM:	600397
UniProt:	Q14721
Pathways:	Synaptic Membrane

Application Details

Application Notes:	IHC: 1:50~1:100 IF: 1:100~1:500 ELISA: 1:1000
Comment:	Unigene-Number: Hs.84244 (NCBI Gene Symbol: KCNB1)
Restrictions:	For Research Use only

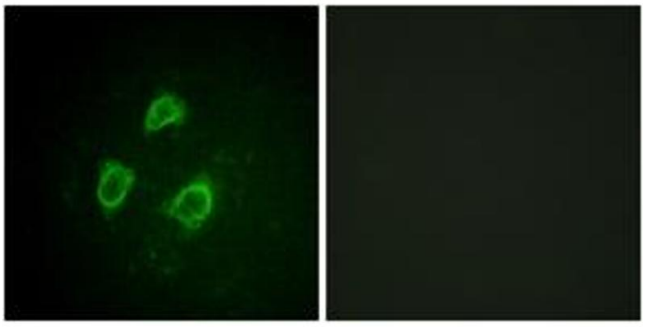
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
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:	-20 °C
Storage Comment:	Stable at -20°C for at least 1 year.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemistry analysis of paraffin-embedded human brain, using Kv2.1/KCNB1 (Phospho-Ser567) Antibody. The picture on the right is treated with the synthesized peptide.



Immunofluorescence

Image 2. Immunofluorescence analysis of HepG2 cells, using Kv2.1/KCNB1 (Phospho-Ser567) Antibody. The picture on the right is treated with the synthesized peptide.