

## Kv2.1 (Phospho-Ser805) Antibody

Catalog No: #11923

Package Size: #11923-1 50ul #11923-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

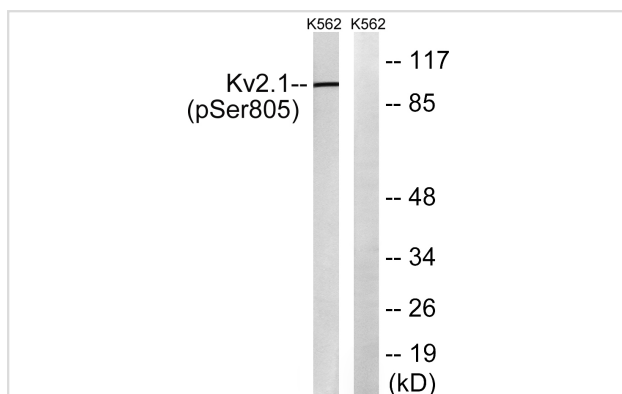
## Description

Product Name	Kv2.1 (Phospho-Ser805) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of Kv2.1 only when phosphorylated at serine 805.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine805(P-T-S(p)-P-K) derived from Human Kv2.1 .
Target Name	Kv2.1
Modification	Phospho
Other Names	DRK1; KCB1; KCNB1; Potassium channel Kv2.1; Potassium voltage-gated channel subfamily B member 1
Accession No.	Swiss-Prot#: Q14721; NCBI Gene#: 2745; NCBI Protein#: NP_004966.1
Uniprot	Q14721
GeneID	3745;
SDS-PAGE MW	96kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

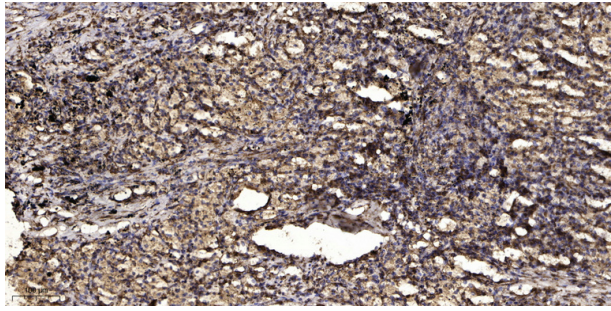
## Application Details

Western blotting: 1:500~1:1000

## Images



Western blot analysis of lysates from K562 cells treated with TNF 200ng/ml 30', using Kv2.1 (Phospho-Ser805) Antibody. The lane on the right is blocked with the phospho peptide.



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Background

Mediates the voltage-dependent potassium ion permeability of excitable membranes. Channels open or close in response to the voltage difference across the membrane, letting potassium ions pass in accordance with their electrochemical gradient.

McCord MC, Aizenman E (2013)Proc Natl Acad Sci U S A 110, 13988-93 .

Norris CA, et al. (2012) J Neurosci 32,

8865-70 . Cerda O, Trimmer JS (2011)J Biol Chem 286, 28738-48 .

Note: This product is for in vitro research use only