



Rabbit Anti-phospho-KCNC1 (Ser503) antibody

SL5403R

Product Name:	phospho-KCNC1 (Ser503)
Chinese Name:	磷酸化离子Channel proteinKv3.1抗体
Alias:	KCNC1 (phospho S503); p-KCNC1 (phospho Ser503); C230009H10Rik; FLJ41162; FLJ42249; FLJ43491; Kcr2 1; KShIIIB; Kv3.1; Kv4; MGC129855; NGK2; Potassium voltage-gated channel subfamily C member 1; Shaw; Voltage gated potassium channel; KCNC1_RAT; Voltage gated potassium channel subunit Kv3.1; Voltage-gated potassium channel subunit Kv3.1; KCNC1_RAT.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	58kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated Synthesised phosphopeptide derived from rat KCNC1 around the phosphorylation site of Ser503:AD(p-S)KL
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	KCNC1 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. It forms a heteromultimer with KCNG3, KCNG4 and KCNV2.

Function:

This protein 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.

Subunit:

Heteromultimer with KCNG3, KCNG4 and KCNV2 (By similarity).

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the potassium channel family. C (Shaw) (TC 1.A.1.2) subfamily. Kv3.1/KCNC1 sub-subfamily.

SWISS:

P25122

Gene ID:

25327

Database links:

[Entrez Gene: 3746](#)Human

[Entrez Gene: 16502](#)Mouse

[Entrez Gene: 25327](#)Rat

[Omim: 176258](#)Human

[SwissProt: P48547](#)Human

[SwissProt: P15388](#)Mouse

[SwissProt: P25122](#)Rat

[Unigene: 303870](#)Human

[Unigene: 552896](#)Human

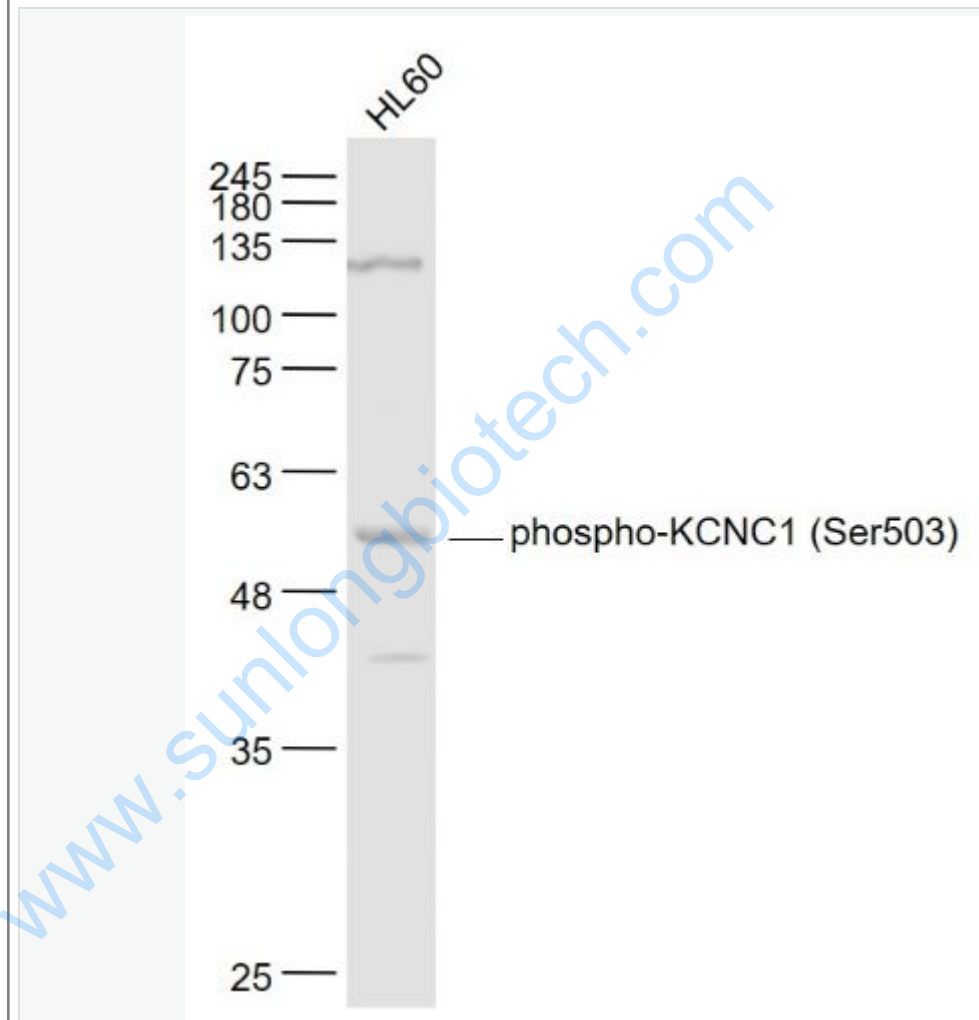
[Unigene: 249386](#)Mouse

[Unigene: 33095](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

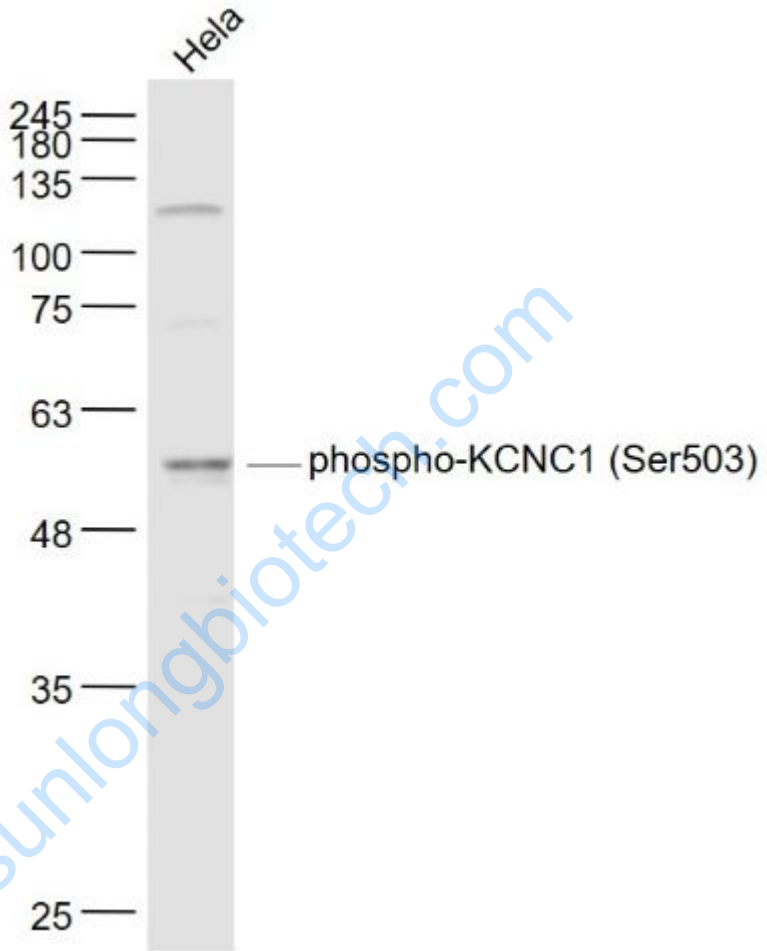
HL60(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-KCNC1 (Ser503) (SL5403R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Sample:

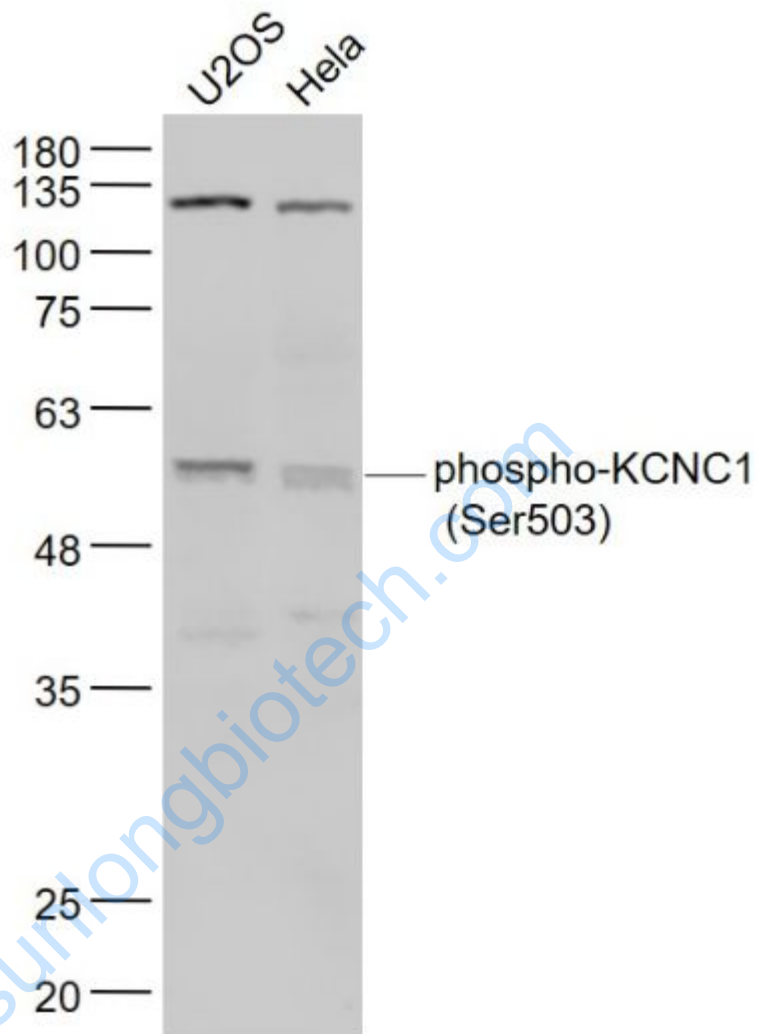
HeLa(Human) Cell Lysate at 30 ug

Primary: Anti- phospho-KCNC1 (Ser503) (SL5403R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Sample:

U2OS(Human) Cell Lysate at 30 ug

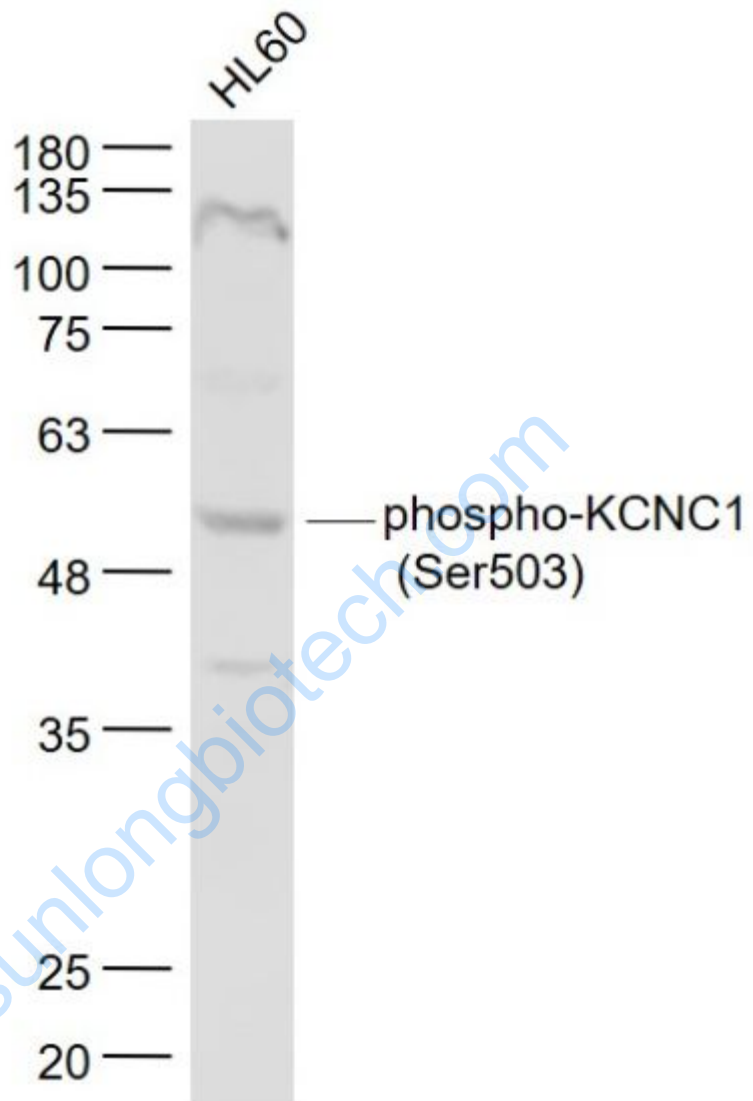
HeLa (Human) Cell Lysate at 30 ug

Primary: Anti- phospho-KCNC1 (Ser503) (SL5403R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD



Sample:

HL60(Human) Cell Lysate at 30 ug

> Primary: Anti- phospho-KCNC1 (Ser503) (SL5403R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 58 kD

Observed band size: 58 kD

