# **SGK1 Rabbit Polyclonal Antibody**



#### **CAB1025**

#### **Product Information**

Size:

20uL, 50uL, 100uL, 200uL

**Observed MW:** 

60kDa

Calculated MW:

47kDa/48kDa/50kDa/52kDa/ 59kDa

**Applications:** 

WB IHC IF

Reactivity:

Human, Mouse, Rat

## **Protein Background**

This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene.

## Immunogen information

**Gene ID:** 6446

Uniprot O00141

**Synonyms:** 

SGK1; SGK

# **Antibody Information**

# **Recommended dilutions:**

WB 1:500 - 1:2000 IHC 1:50 - 1:200 IF 1:50 - 1:200

Source:

Rabbit

**Isotype:** IgG

#### Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 172-431 of human SGK1 (NP\_005618.2).

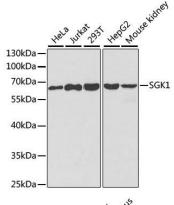
#### Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

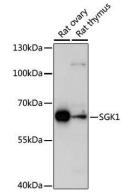
### **Purification:**

Affinity purification

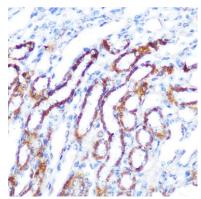
# **Product Images**



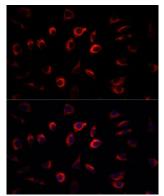
Western blot analysis of extracts of various cell lines, using SGK1 antibody (CAB1025) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020).



Western blot analysis of extracts of various cell lines, using SGK1 antibody (CAB1025) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 300s.



Immunohistochemistry of paraffin-embedded mouse kidney using SGK1 Rabbit pAb (CAB1025) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of L929 cells using SGK1 antibody (CAB1025) at dilution of 1:100. Blue: DAPI for nuclear staining.