

## Rabbit Anti-DRAK2 antibody

SL10467R

**Product Name** DRAK2

**Chinese Name** DAP 凋亡诱导蛋白激酶 2 抗体

**Alias** DAP kinase related apoptosis inducing protein; DAP kinase related apoptosis inducing protein kinase 2; Death associated protein kinase related 2; DRAK 2; Serine/threonine kinase 17b (apoptosis inducing); Serine/threonine kinase 17b; Serine/threonine protein kinase 17B; STK17B; ST17B\_HUMAN.

**Research Area** Tumour Signal transduction Apoptosis transcriptional regulatory factor Kinases and Phosphatases

**Immunogen Species** Rabbit

**Clonality** Polyclonal

**React Species** Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)

**Applications** IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500 (Paraffin sections need antigen repair)  
not yet tested in other applications.  
optimal dilutions/concentrations should be determined by the end user.

**Theoretical molecular weight** 42kDa

**Cellular localization** The nucleus cytoplasmic The cell membrane

**Form** Liquid

**Concentration** 1mg/ml

**immunogen** KLH conjugated synthetic peptide derived from human DRAK2: 281-372/372

**Lsotype** IgG

**Purification** affinity purified by Protein A

**Buffer Solution** Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)1M TBS(pH7.4) with 1% BSA,

Human,Rat(predicted:Mouse,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)3% Proclin300 and 50% Glycerol.

**Storage** Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.

**Attention**

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

**PubMed**

[PubMed](#)

Apoptosis is mediated by death domain containing adapter molecules and a caspase family of proteases. Certain serine/threonine protein kinases, such as ASK1 and RIP, are mediators of apoptosis. Two novel serine/threonine kinases that induce apoptosis were recently identified and designated DRAK1 and DRAK2 (for DAP kinase related apoptosis inducing protein kinases). DRAKs contain an N terminal kinase domain and a C terminal regulation domain. Overexpression of DRAK2 induces apoptosis. DRAKs have high sequence homology to DAP and ZIP kinases, and they represent a novel family of serine/threonine kinases, which mediates apoptosis through their catalytic activities. DRAK2 is located in nucleus and the messenger RNA was ubiquitously expressed in human tissues.

**Function:**

Acts as a positive regulator of apoptosis.

**Subunit:**

Interacts with CHP1; the interaction induces CHP1 to translocate from the Golgi to the nucleus.

**Subcellular Location:**

Nucleus. Cell membrane. Endoplasmic reticulum-Golgi intermediate compartment. Note=Colocalizes with STK17B at the plasma membrane.

**Product Detail**

**Tissue Specificity:**

Highly expressed in placenta, lung, pancreas. Lower levels in heart, brain, liver, skeletal muscle and kidney.

**Post-translational modifications:**

Autophosphorylated.

**Similarity:**

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. DAP kinase subfamily. Contains 1 protein kinase domain.

**SWISS:**

O94768

**Gene ID:**

9262

**Database links:**

[Entrez Gene: 9262](#) Human

[Entrez Gene: 98267](#) Mouse

[Omim: 604727](#) Human

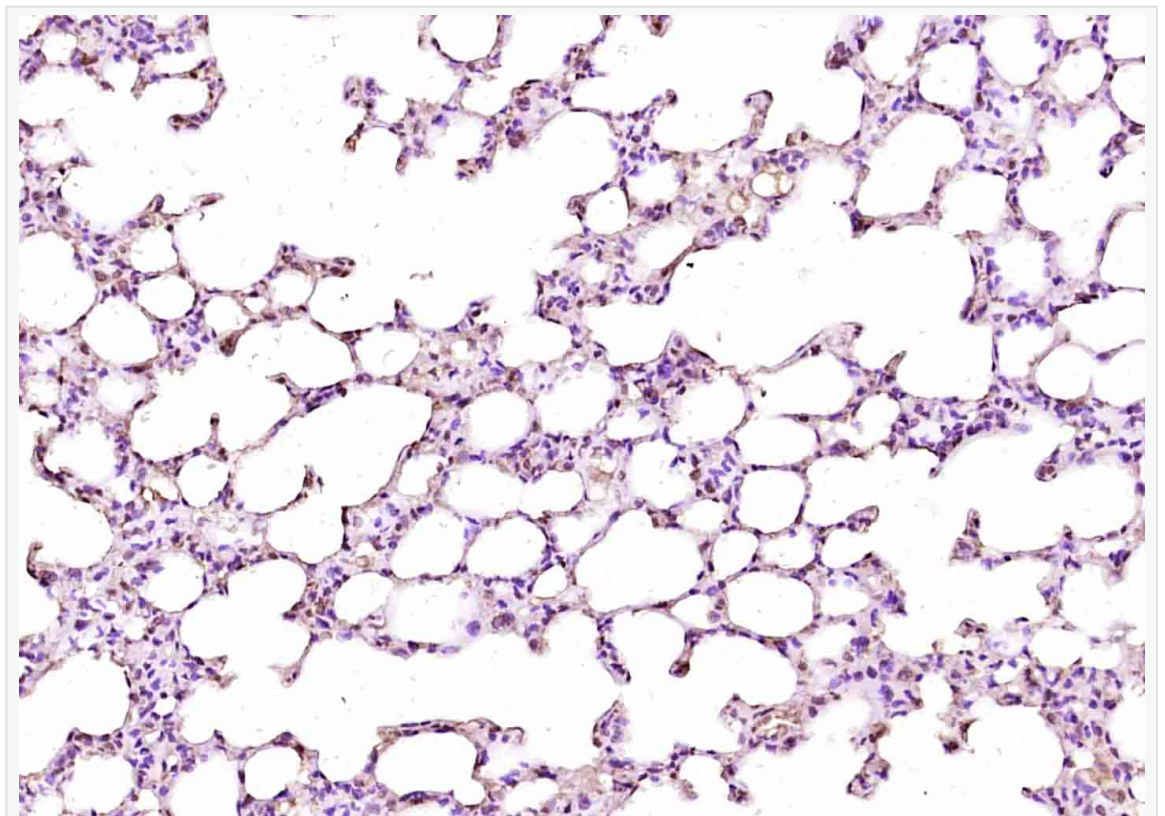
[SwissProt: O94768](#) Human

[SwissProt: Q8BG48](#) Mouse

[Unigene: 88297](#) Human

[Unigene: 25559](#) Mouse

**Product  
Picture**



Paraformaldehyde-fixed, paraffin embedded (rat lung tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (DRAK2) Polyclonal Antibody, Unconjugated



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(SL10467R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.