



Rabbit Anti-ANKK1 antibody

SL12475R

Product Name:	ANKK1
Chinese Name:	锚定蛋白重复结构域蛋白激酶ANKK1抗体
Alias:	Ankyrin repeat and kinase domain containing 1; Ankyrin repeat and protein kinase domain containing protein 1; EC 2.7.11.1; PKK2; Protein kinase PKK2; SGK288; Sugen kinase 288; X kinase; ANKK1 HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Horse,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	85kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ANKK1:101-200/765
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:	The phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions in eukaryotes, including cell division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine (Ser/Thr) protein kinases. ANKK1 (ankyrin repeat and kinase domain containing 1), also known as PKK2 or

SGK288, is a 765 amino acid protein that belongs to the Ser/Thr protein kinase family and contains 12 ANK repeats and one protein kinase domain. Highly expressed in brain tissue and present in lower amounts in placenta and spinal cord, ANKK1 functions to catalyze the ATP-dependent phosphorylation of target proteins and is thought to play a role in alcohol and nicotine dependence. The gene encoding ANKK1 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome.

Function:

ANKK1 belongs to the TKL Ser/Thr protein kinase superfamily, contains twelve ANK repeats and one protein kinase domain. The protein is weakly expressed in testis, placenta, and spinal cord.

Tissue Specificity:

Highly expressed in brain and weakly expressed in placenta and spinal cord.

Similarity:

Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family.

Contains 12 ANK repeats.

Contains 1 protein kinase domain.

SWISS:

Q8NFD2

Gene ID:

255239

Database links:

[Entrez Gene: 785303](#)Cow

[Entrez Gene: 489403](#)Dog

[Entrez Gene: 100054819](#)Horse

[Entrez Gene: 255239](#)Human

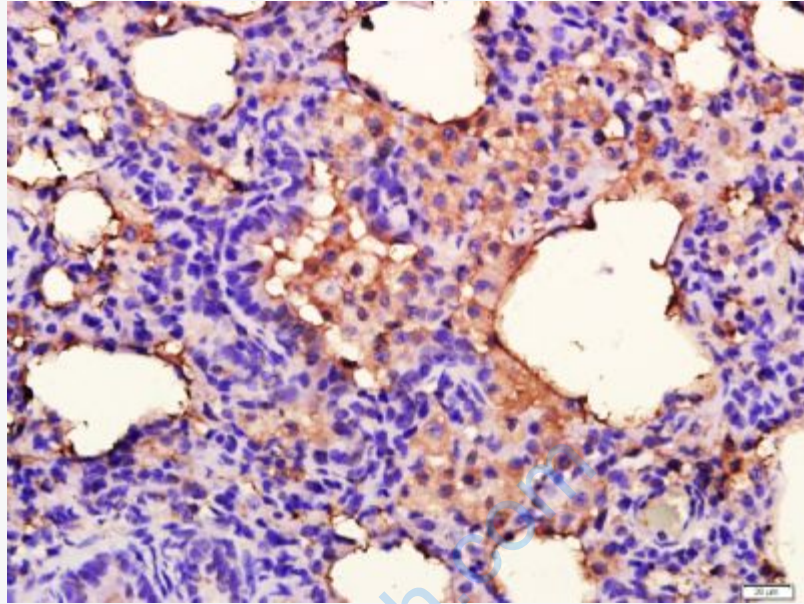
[Omim: 608774](#)Human

[SwissProt: Q8NFD2](#)Human

[Unigene: 448473](#)Human

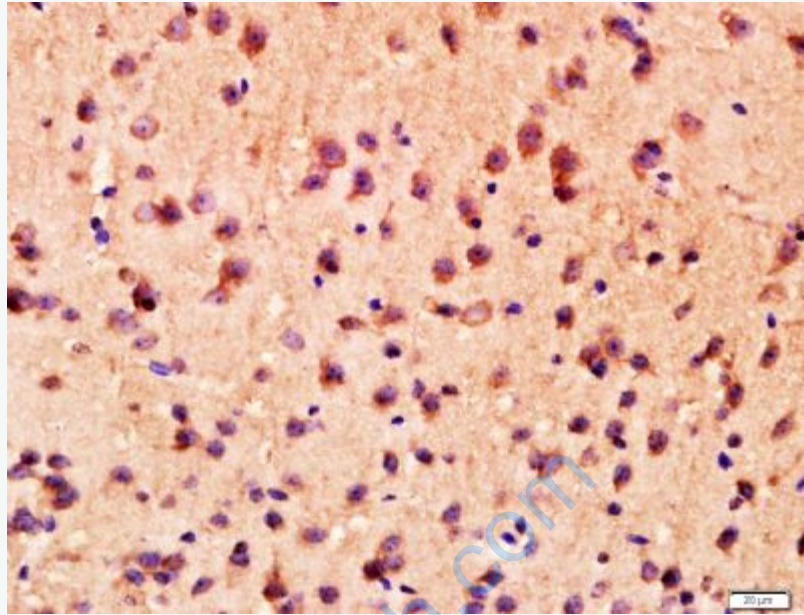
Important Note:

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



Picture:

Paraformaldehyde-fixed, paraffin embedded (Rat lung); 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 (Ankyrin repeat and kinase domain containing 1; ANKK1) Polyclonal Antibody, Unconjugated (SL12475R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (Ankyrin repeat and kinase domain containing 1; ANKK1) Polyclonal Antibody, Unconjugated (SL12475R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.