10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ANKK1 Rabbit pAb

Catalog # AP97719

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8NFD2
Other Accession	Q8NFD2
Reactivity	Rat, Mouse
Predicted	Human, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	84632
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ANKK1
Epitope Specificity	101-200/765
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. Contains 12 ANK repeats.Contains 1 protein kinase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	255239
Other Names	PKK2; sgK288; ANKK1_HUMAN; ANKK1; Protein kinase PKK2; Sugen kinase 288 (SgK288); X-kinase; 2.7.11.1; ankyrin repeat and kinase domain containing 1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	ANKK1
Synonyms	PKK2, SGK288
Tissue Location	Highly expressed in brain and weakly expressed in placenta and spinal cord.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.