

Goat Anti-ANKK1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1063a**Specification**

Goat Anti-ANKK1 Antibody - Product Information

Application	WB, E
Primary Accession	Q8NFD2
Other Accession	NP_848605 , 255239
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	84632

Goat Anti-ANKK1 Antibody - Additional Information**Gene ID** 255239**Other Names**

Ankyrin repeat and protein kinase domain-containing protein 1, 2.7.11.1, Protein kinase PKK2, Sugen kinase 288, SgK288, X-kinase, ANKK1, PKK2, SGK288

Dilution

WB~~1:1000

E~~N/A

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ANKK1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ANKK1 Antibody - Protein Information**Name** ANKK1**Synonyms** PKK2, SGK288**Tissue Location**

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

Goat Anti-ANKK1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-ANKK1 Antibody - Images



AF1063a (0.1 µg/ml) staining of Human Substantia Nigra lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-ANKK1 Antibody - Background

The protein encoded by this gene belongs to the Ser/Thr protein kinase family, and protein kinase superfamily involved in signal transduction pathways. This gene is closely linked to DRD2 gene (GenelD:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated Taq1A, was originally associated with the DRD2 gene, however, later was determined to be located in exon 8 of ANKK1 gene (PMIDs: 18621654, 15146457), where it causes a nonconservative amino acid substitution. It is not clear if this gene plays any role in neuropsychiatric disorders previously associated with Taq1A RFLP.

Goat Anti-ANKK1 Antibody - References

Epistasis of the DRD2/ANKK1 Taq 1a and the BDNF Val66Met polymorphism impacts novelty seeking and harm avoidance. Montag C, et al. Neuropsychopharmacology, 2010 Aug. PMID 20410875.

[DRD2/ANKK1 Taq 1A polymorphism and early infant temperament] Ma J, et al. Zhongguo Dang Dai Er Ke Za Zhi, 2010 Feb. PMID 20199723.

CLOCK is suggested to associate with comorbid alcohol use and depressive disorders. Sj  holm LK, et al. J Circadian Rhythms, 2010 Jan 21. PMID 20180986.

A genetic schizophrenia-susceptibility region located between the ANKK1 and DRD2 genes.

Dubertret C, et al. Prog Neuropsychopharmacol Biol Psychiatry, 2010 Apr 16. PMID 20138949.

Sex differences in TTC12/ANKK1 haplotype associations with daily tobacco smoking in Black and

White Americans. David SP, et al. Nicotine Tob Res, 2010 Mar. PMID 20133381.