

Goat Anti-ANKK1 Antibody

Peptide-affinity purified goat antibody Catalog # AF1063a

Specification

Goat Anti-ANKK1 Antibody - Product Information

Application WB
Primary Accession Q8NFD2

Other Accession NP 848605, 255239

Reactivity
Host
Clonality
Concentration

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

Format

0.5 mg lgG/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.



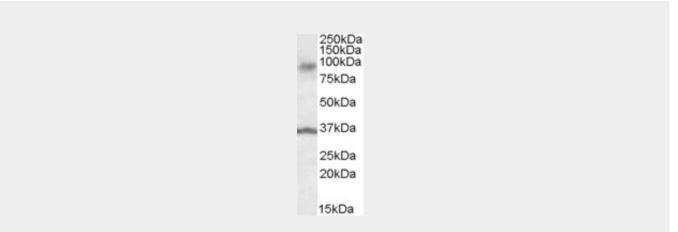
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Goat Anti-ANKK1 Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- 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 (GeneID:1813) on chr 11, and a well studied restriction fragment length polymorphism (RFLP) designated TaqIA, 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 Tag Ia and the BDNF Val66Met polymorphism impacts novelty seeking and harm avoidance. Montag C, et al. Neuropsychopharmacology, 2010 Aug. PMID 20410875.

[DRD2/ANKK1 Tag IA 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. Sinholm 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.