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Goat Anti-DYX1C1 / EKN1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1349b

Specification

Goat Anti-DYX1C1 / EKN1 Antibody - Product Information

Application	**WB**
Primary Accession	Q8WXU2
Other Accession	NP_001028732, 161582
Reactivity	**Human**
Predicted	**Dog**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**100ug/200ul**
Isotype	**IgG**
Calculated MW	**48527**

Goat Anti-DYX1C1 / EKN1 Antibody - Additional Information

Gene ID 161582

Other Names
Dyslexia susceptibility 1 candidate gene 1 protein, DYX1C1, EKN1

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-DYX1C1 / EKN1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-DYX1C1 / EKN1 Antibody - Protein Information

Name DNAAF4 (HGNC:21493)

Synonyms DYX1C1, EKN1

Function
Axonemal dynein assembly factor required for ciliary motility. Involved in neuronal migration during development of the cerebral neocortex. May regulate the stability and proteasomal degradation of the estrogen receptors that play an important role in neuronal differentiation, survival and plasticity.

Cellular Location
Nucleus. Cytoplasm. Dynein axonemal particle. Cell projection, neuron projection {ECO:0000250|UniProtKB:Q5VJS5}

Tissue Location
Expressed in several tissues, including brain, lung, kidney and testis. In brain localizes to a fraction of cortical neurons and white matter glial cells.

Goat Anti-DYX1C1 / EKN1 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 Cytomety
- Cell Culture

Goat Anti-DYX1C1 / EKN1 Antibody - Images



AF1349b (0.5 µg/ml) staining of Human Brain (Frontal Cortex) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-DYX1C1 / EKN1 Antibody - Background

This gene encodes a tetratricopeptide repeat domain-containing protein. The encoded protein interacts with estrogen receptors and the heat shock proteins, Hsp70 and Hsp90. A chromosomal translocation involving this gene is associated with a susceptibility to developmental dyslexia. Mutations in this gene are associated with deficits in reading and spelling. Alternate splicing results in multiple transcript variants.

Goat Anti-DYX1C1 / EKN1 Antibody - References

Dyslexia and DYX1C1: deficits in reading and spelling associated with a missense mutation. Bates TC, et al. Mol Psychiatry, 2009 Nov 10. PMID 19901951.
Functional interaction of DYX1C1 with estrogen receptors suggests involvement of hormonal pathways in dyslexia. Massinen S, et al. Hum Mol Genet, 2009 Aug 1. PMID 19423554.
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Further evidence for DYX1C1 as a susceptibility factor for dyslexia. Dahdouh F, et al. Psychiatr Genet, 2009 Apr. PMID 19240663.
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