

## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB06656 - Goat Anti-DYX1C1 (Isoform a) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** DYX1C1, DYX1, EKN1, DYXC1, FLJ37882, dyslexia susceptibility 1 candidate 1, MGC70618, RD

**Official Symbol:** DNAAF4

**Accession Number(s):** NP\_570722.2

**Human GeneID(s):** [161582](#)

**Non-Human GeneID(s):** 67685 (mouse)

**Important Comments:** This antibody is expected to recognise only one of the three reported isoforms (NP\_570722.2, isoform a).

### Immunogen

Peptide with sequence C-KIRNVIQGTELKS, from the C Terminus of the protein sequence according to NP\_570722.2.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:16000.

**Western blot:** Lysates of COS1 transfected with full length recombinant Human DYX1C1 gave bands at approx 48kDa after 0.1µg/ml antibody staining. In addition, a minor band of 24kDa is detected consistent with observations with N-terminal specific antibodies (unpublished data, LoTurco, Connecticut, USA). The 75kDa band is visible in the non-transfected COS1 also (first lane) and is therefore non-specific. We call for caution when this product is used in other assays than Western blot. Data kindly provided by Wang and LoTurco, University of Connecticut, USA.

**IHC:** In paraffin embedded Human Cerebral Cortex shows cytoplasm staining in some of the neuronal cells. Recommended concentration, 5-10µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse, Rat

### Specific Reference

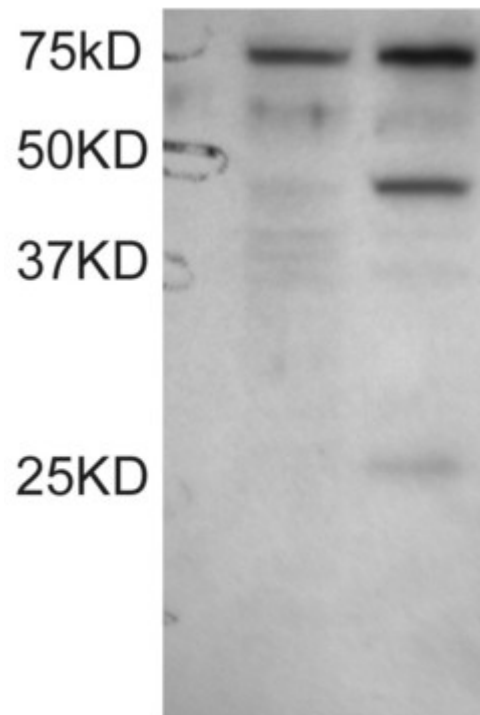
**This antibody has been successfully used (in WB on Rat Brain (24kDa and 48kDa)) in the following paper:**

Wang Y, Paramasivam M, Thomas A, Bai J, Kaminen-Ahola N, Kere J, Voskuil J, Rosen GD, Galaburda AM, Loturco JJ.

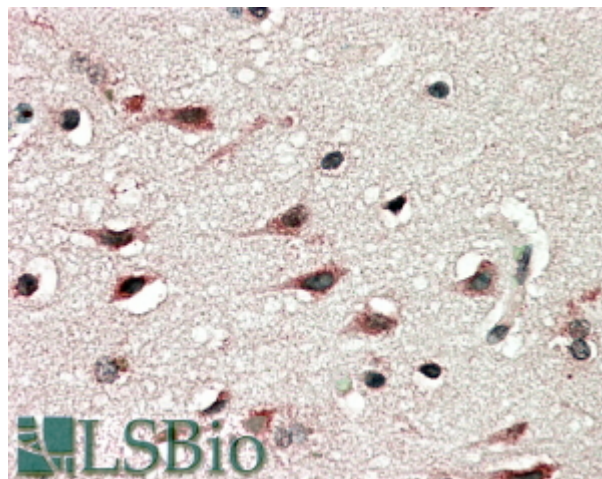
DYX1C1 functions in neuronal migration in developing neocortex.

Neuroscience. 2006 Dec 1;143(2):515-522. Epub 2006 Sep 20.

PMID: 16989952



EB06656 staining (0.1 $\mu$ g/ml) of COS1 cell lysates: untransfected (left lane) and transfected with full length recombinant Human DYX1C1 (right lane). Data kindly provided by Wang and LoTurco, University of Connecticut, USA.



EB06656 (5 $\mu$ g/ml) staining of paraffin embedded Human Cerebral Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.