

## Rabbit DYX1C1 Polyclonal Antibody | anti-DYX1C1 antibody

DYX1C1 Antibody

|                               |                       |                                        |                                                           |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA323094</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|----------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

DYX1C1; Polyclonal Antibody; DYX1C1 Antibody; Dyslexia susceptibility 1 candidate 1; Dyslexia susceptibility 1 candidate gene 1 protein; DYX1; DYXC1; DYXC1\_HUMAN; EKN1; FLJ37882; MGC70618; RD; anti-DYX1C1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                            |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                     |
| Reactivity                                       | Human, Mouse, Rat                                                                                                                                          |
| Clonality                                        | Polyclonal                                                                                                                                                 |
| Isotype                                          | IgG                                                                                                                                                        |
| Specificity                                      | DYX1C1 antibody detects endogenous levels of DYX1C1.                                                                                                       |
| Purity/Purification                              | The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.                                                              |
| Form/Format                                      | Liquid<br>Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                              |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                                                                     |
| Sequence Length                                  | 376                                                                                                                                                        |
| Applicable Applications for anti-DYX1C1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                              |
| Immunogen                                        | A synthesized peptide derived from human DYX1C1.                                                                                                           |
| Subcellular Location                             | Nucleus. Cytoplasm.                                                                                                                                        |
| Tissue Specificity                               | Expressed in several tissues, including brain, lung, kidney and testis. In brain localizes to a fraction of cortical neurons and white matter glial cells. |
| Predicted Cross Reactivity                       | <b>Pig, Bovine, Horse, Sheep, Rabbit, Dog, Xenopus</b>                                                                                                     |
| Similarity                                       | Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%), Xenopus (100%)                                                             |
| Conjugation                                      | Unconjugated                                                                                                                                               |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                          |

### IMAGES



#### IHC (Immunohistochemistry)

AAA323094 at 1/100 staining Human lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



#### WB (Western Blot)

Western blot analysis of extracts of rat testis tissue, using DYX1C1 antibody.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-DYX1C1 antibody | 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.<br>Subunit Structure: Interacts with ESR1 and ESR2 (PubMed:19423554). Interacts with STUB1 (PubMed:19423554). Interacts with DNAAF2 (PubMed:23872636). Interacts with CCT3, CCT4, CCT5 and CCT8 (By similarity). Interacts with PIH1D3 (PubMed:28041644). |
|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 75677567                                     |
| NCBI GeneID                      | 161582                                       |
| NCBI Accession #                 | NP_001028731.1                               |
| NCBI GenBank Nucleotide #        | NM_001033559.2                               |
| UniProt Accession #              | Q8WXU2; Q6P5Y9; Q8N1S6                       |
| Molecular Weight                 | Observed: 48 kDa<br>Predicted: 49 kDa        |
| NCBI Official Full Name          | dynein assembly factor 4, axonemal isoform b |
| NCBI Official Synonym Full Names | dynein axonemal assembly factor 4            |
| NCBI Official Symbol             | DNAAF4                                       |
| NCBI Official Synonym Symbols    | RD; DYX1; EKN1; DYXC1; CILD25; DYX1C1        |
| NCBI Protein Information         | dynein assembly factor 4, axonemal           |
| UniProt Protein Name             | Dynein assembly factor 4, axonemal           |
| UniProt Gene Name                | DNAAF4                                       |
| UniProt Synonym Gene Names       | DYX1C1; EKN1                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dyx1c1-antibody-immunohistochemistry-western-blot-elisa/323094>