

Datasheet for ABIN1411656  
**anti-KIAA0319 antibody (AA 682-760) (Cy7)**



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## Overview

|                      |                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                         |
| Target:              | KIAA0319                                                                                                                       |
| Binding Specificity: | AA 682-760                                                                                                                     |
| Reactivity:          | Human                                                                                                                          |
| Host:                | Rabbit                                                                                                                         |
| Clonality:           | Polyclonal                                                                                                                     |
| Conjugate:           | This KIAA0319 antibody is conjugated to Cy7                                                                                    |
| Application:         | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human DYX2/KIAA0319 |
| Isotype:              | IgG                                                               |
| Predicted Reactivity: | Human, Mouse, Rat, Cow, Sheep, Pig, Horse                         |
| Purification:         | Purified by Protein A.                                            |

## Target Details

|                   |                                                                                           |
|-------------------|-------------------------------------------------------------------------------------------|
| Target:           | KIAA0319                                                                                  |
| Alternative Name: | DYX2/KIAA0319 ( <a href="#">KIAA0319 Products</a> )                                       |
| Background:       | Synonyms: DLX 2, DLX2, DYX2, DYX2, Dyslexia susceptibility 2, Dyslexia-associated protein |

## Target Details

KIAA0319 DYX 2, DYX2, K0319\_HUMAN, Kiaa0319, MGC176717.

Background: DYX2 is a 1072 amino acid single-pass transmembrane protein that contains one MANSC domain and two PKD (Polycystic Kidney Disease) domains, which are usually found in the extracellular regions of proteins and are involved in protein-protein interactions. In DYX2, it is likely that its PKD domains mediate the interaction between neurons and glial fibers during neuronal migration. When overexpressed, this plasma membrane protein colocalizes with EEA1 (early endosome antigen 1) in large intracellular vesicles, suggesting that it is endocytosed and recycled. DYX2 is highly expressed in brain cortex, cerebellum, amygdala, putamen and hippocampus. Defects in the gene encoding DYX2 may be the cause of dyslexia type 2, a relatively common disorder that is characterized by reading performance impairment in the absence of sensory or neurologic disability. There are three isoforms of DYX2 that are produced as a result of alternative splicing events

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months