Datasheet for ABIN7599753

# anti-KIAA1045 antibody (AA 113-397)

Go to Product page

## Overview

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| Quantity: | 100 µg |
| Target: | KIAA1045 |
| Binding Specificity: | AA 113-397 |
| Reactivity: | Human, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KIAA1045 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Flow Cytometry (FACS) |

## Product Details

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| Purpose: | Anti-PHF24 Antibody Picoband® |
| Immunogen: | E.coli-derived human PHF24 recombinant protein (Position: D113-K397). Human PHF24 shares 89.5% amino acid (aa) sequence identity with mouse PHF24. |
| Characteristics: | Anti-PHF24 Antibody Picoband® (ABIN7599753). Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance. |
| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | KIAA1045 |
| Alternative Name: | PHF24 (KIAA1045 Products) |
| Background: | Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. PHF24 (PHD finger protein 24), also known as KIAA1045, is a 400 amino acid protein containing one PHD-type zinc finger motif, suggesting involvement in transcriptional regulation events. Conserved in chimpanzee, Rhesus monkey, canine, bovine, mouse, rat, chicken, zebrafish and frog, the gene encoding PHF24 is located on human chromosome 9. Chromosome 9 houses over 900 genes and comprises nearly 4 % of the human genome. Considered to play a role in gender determination, deletion of the distal portion of chromosome 9p can lead to development of male to female sex reversal, the phenotype of a female with a male XY genotype. |
| Molecular Weight: | 45 kDa |
| Gene ID: | 23349 |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Human, Rat<br>Flow Cytometry (Fixed), 1-3 µg/1x$10^6$ cells, Human<br>ELISA, 0.1-0.5 µg/mL, -<br>1. Gross, M. B. Personal Communication. Baltimore, Md. 6/23/2022. 2. Kikuno, R., Nagase, T., Ishikawa, K., Hirosawa, M., Miyajima, N., Tanaka, A., Kotani, H., Nomura, N., Ohara, O. Prediction of the coding sequences of unidentified human genes. XIV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro. DNA Res. 6: 197-205, 1999. 3. Miyamoto, K., Yamashita, A., Saito, K. Solution structure of the PHD finger from the human KIAA1045 protein. Protein Sci. 27: 987-992, 2018. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4. |
| Storage: | 4 °C,-20 °C |

## Handling

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| Storage Comment: | At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month.<br>It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing. |