Datasheet for ABIN7599847

# anti-IQSEC2 antibody (AA 122-1396)

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## Overview

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| Quantity: | 100 µg |
| Target: | IQSEC2 |
| Binding Specificity: | AA 122-1396 |
| Reactivity: | Mouse, Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This IQSEC2 antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB) |

## Product Details

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| Purpose: | Anti-IQSEC2 Antibody Picoband® |
| Immunogen: | E.coli-derived human IQSEC2 recombinant protein (Position: A122-M1396). Human IQSEC2 shares 98.2% amino acid (aa) sequence identity with mouse IQSEC2. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-IQSEC2 Antibody Picoband® (ABIN7599847). Tested in WB, ELISA applications. This antibody reacts with Mouse, 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: | IQSEC2 |
| Alternative Name: | IQSEC2 (IQSEC2 Products) |
| Background: | Synonyms: IQSEC2, KIAA0522, IQ motif and SEC7 domain-containing protein 2<br>Background: This gene encodes a guanine nucleotide exchange factor for the ARF family of small GTP-binding proteins. The encoded protein is a component of the postsynaptic density at excitatory synapses, and may play a critical role in cytoskeletal and synaptic organization through the activation of selected ARF substrates including ARF1 and ARF6. Mutations in this gene have been implicated in nonsyndromic X-linked cognitive disability. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. |
| Molecular Weight: | 163 kDa |
| Gene ID: | 23096 |

## Application Details

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| Application Notes: | Western blot, 0.25-0.5 µg/mL, Mouse, Rat<br>ELISA, 0.1-0.5 µg/mL<br>1. de Vries, B. B. A., Breedveld, G. J., Deelen, W. H., Niermeijer, M. F., Heutink, P., Breuning, M. H. Another family with nonspecific X-linked mental retardation (MRX78) maps to Xp11.4-p11.23. Am. J. Med. Genet. 111: 443-445, 2002. Note: Erratum: Am. J. Med. Genet. 113: 391 only 2002. 2. Filippova, G. N., Cheng, M. K., Moore, J. M., Truong, J.-P., Hu, Y. J., Nguyen, D. K., Tsuchiya, K. D., Disteche, C. M. Boundaries between chromosomal domains of X inactivation and escape bind CTCF and lack CpG methylation during early development. Dev. Cell 8: 31-42, 2005. 3. Gedeon, A., Kerr, B., Mulley, J., Turner, G. Pericentromeric genes for non-specific X-linked mental retardation (MRX). Am. J. Med. Genet. 51: 553-564, 1994. |
| 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. |