Datasheet for ABIN603316

# anti-IDUA antibody (AA 26-653)

2 Publications

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | IDUA |
| Binding Specificity: | AA 26-653 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This IDUA antibody is un-conjugated |
| Application: | ELISA, Western Blotting (WB) |

## Product Details

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|---|---|
| Immunogen: | NS0-derived, recombinant human IDUA aa26-653. |
| Clone: | 452619 |
| Isotype: | IgG1 |
| Specificity: | Recognizes human Alpha-L-Iduronidase. Species sequence Homology: Mouse (79 % ), chicken (61 %). |
| Purification: | Protein G purified |

## Target Details

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|---|---|
| Target: | IDUA |
| Alternative Name: | IDUA / MPS1 (IDUA Products) |

## Target Details

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|---|---|
| Background: | Name/Gene ID: IDUA<br><br>Synonyms: IDUA, Alpha-L-iduronidase, MPS1, Iduronidase, alpha-L-, IDA |
| Gene ID: | 3425 |
| Pathways: | Glycosaminoglycan Metabolic Process |

## Application Details

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|---|---|
| Application Notes: | Approved: ELISA (0.5 - 1 µg/mL), WB (1 - 2 µg/mL)<br><br>Usage: Suitable for use in ELISA and Western Blot. Direct ELISA: 0.5-1 µg/mL. The detection limit is ~1 ng/well. Antibody was tested using full-length, recombinant protein. Western Blot: 1-2 µg/mL. Using a colorimetric detection system, the detection limit is ~5 ng/lane under non-reducing and reducing conditions. Antibody tested in WB using the full-length recombinant protein. Chemiluminescent detection will increase sensitivity by 5-50 fold. |
| Comment: | Target Species of Antibody: Human |
| Restrictions: | For Research Use only |

## Handling

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|---|---|
| Format: | Lyophilized |
| Reconstitution: | Reconstitute with sterile PBS |
| Concentration: | Lot specific |
| Buffer: | Lyophilized from PBS, pH 7.4, 5 % trehalose |
| Handling Advice: | Aliquot to Avoid repeated freezing and thawing. |
| Storage: | -20 °C |
| Storage Comment: | Lyophilized powder may be stored at -20°C. Stable for 1 year at -20°C. Aliquot to avoid freeze-thaw cycles. Store at -20°C. Reconstituted product is stable for 1 year at -20°C. |

## Publications

| | |
|---|---|
| Product cited in: | Gutierrez-Valdes, Häkkinen, Lemasson, de Groot, Ele-Ekouna, Guillet, Cardon, Ritala: "Improving yield of a recombinant biologic in a Brassica hairy root manufacturing process." in: **Biotechnology and bioengineering**, (2022) (PubMed). |

Cardon, Pallisse, Bardor, Caron, Vanier, Ele Ekouna, Lerouge, Boitel-Conti, Guillet: "Brassica rapa hairy root based expression system leads to the production of highly homogenous and reproducible profiles of recombinant human alpha-L-iduronidase." in: **Plant biotechnology journal**, Vol. 17, Issue 2, pp. 505-516, (2019) (PubMed).