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Datasheet for ABIN5003143

anti-GALM antibody (AA 251-342) (AbBy Fluor® 680)

Overview

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| Quantity: | 100 µL |
| Target: | GALM |
| Binding Specificity: | AA 251-342 |
| Reactivity: | Rat |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This GALM antibody is conjugated to AbBy Fluor® 680 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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

Target Details

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| Target: | GALM |
| Alternative Name: | GALM/Galactose mutarotase (GALM Products) |

Target Details

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| Background: | <p>Synonyms: Aldose 1 epimerase, Aldose 1-epimerase, BLOCK25, Galactomutarotase, Galactose mutarotase, Galm, GALM_HUMAN, IBD1.</p> <p>Background: Galactose Mutarotase is a member of the aldose epimerase family and is involved in hexose metabolism. Through its catalytic activity, Galactose Mutarotase converts beta-aldose to alpha-aldose on several sugars, including D-glucose, L-arabinose and D-xylose. Found in the cytoplasm of most cells, Galactose Mutarotase plays a key role in galactose metabolism by catalyzing the conversion of beta-D-galactose to alpha-D-galactose. The enzyme contains two residues, Glu 304 and His 170, that are critical for catalysis, as well as His 96 and Asp 243, which are important for proper substrate recognition by the active site. No known diseases have been associated with mutations in the Galactose Mutarotase gene, although inhibition of Galactose Mutarotase activity could potentially be associated with a build-up of unmetabolized sugars during metabolism.</p> |
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| Gene ID: | 130589 |
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Application Details

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| Application Notes: | IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 |
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| Restrictions: | For Research Use only |
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Handling

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| Format: | Liquid |
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| Concentration: | 1 µg/µL |
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| Buffer: | Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
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| Preservative: | ProClin |
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| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
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| Storage: | -20 °C |
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| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
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| Expiry Date: | 12 months |
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