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anti-PRODH antibody (Center)



Image



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Overview

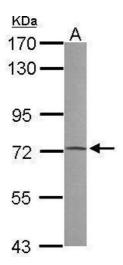
| Quantity: | 100 μL |
|----------------------|--------------------------------------|
| Target: | PRODH |
| Binding Specificity: | Center |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRODH antibody is un-conjugated |
| Application: | Western Blotting (WB) |
| | |

Product Details

| Immunogen: | Recombinant protein encompassing a sequence within the center region of human PRODH. The exact sequence is proprietary. |
|-----------------------------|--|
| Isotype: | IgG |
| Cross-Reactivity: | Mouse (Murine), Rat (Rattus), Cow (Bovine) |
| Cross-Reactivity (Details): | Mouse (84 %), Rat (83 %), Bovine (80 %) |
| Characteristics: | Rabbit Polyclonal antibody to PRODH (proline dehydrogenase (oxidase) 1) PRODH antibody [N1N3] |
| Purification: | Purified by antigen-affinity chromatography. |

Target Details

| Target: | PRODH |
|---------------------|---|
| Alternative Name: | PRODH (PRODH Products) |
| Background: | The protein encoded by this gene is a mitochondrial proline dehydrogenase that catalyzes the |
| | first step in proline degradation. Defects in this gene are a cause of hyperprolinemia type 1 and |
| | possibly susceptibility to schizophrenia 4 (SCZD4). The gene is located on chromosome |
| | 22q11.21, a region which has also been associated with the contiguous gene deletion |
| | syndromes DiGeorge syndrome and CATCH22 syndrome. |
| | Cellular Localization: Mitochondrion matrix |
| Molecular Weight: | 68 kDa |
| Gene ID: | 5625 |
| Pathways: | Response to Water Deprivation, Monocarboxylic Acid Catabolic Process |
| Application Details | |
| Application Notes: | Suggested dilution Reference Western blot 1:500-1:3000* Not tested in other applications. |
| | *Optimal dilutions/concentrations should be determined by the researcher.Suggested |
| | dilutionReferenceWestern blot1:500-1:3000* |
| Comment: | Positive Control: 293T |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | 1XPBS, 1 % BSA, 20 % Glycerol (pH 7). 0.01 % Thimerosal was added as a preservative. |
| Preservative: | Thimerosal (Merthiolate) |
| Precaution of Use: | This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE |
| | which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw |
| | cycles. |



Western Blotting

Image 1. WB Image Sample (30 ug of whole cell lysate) A: 293T 7.5% SDS PAGE antibody diluted at 1:500