

## Anti-HGD Antibody Picoband® Biotin Conjugated

Catalog Number: A01909-1-Biotin

### About HGD

The HGD gene encodes homogentisate 1,2-dioxygenase (HGD), an enzyme involved in the catabolism of phenylalanine and tyrosine. This enzyme is involved in the catabolism of the amino acids tyrosine and phenylalanine. Mutations in this gene are the cause of the autosomal recessive metabolism disorder alkaptonuria. This gene is mapped to chromosome 3q21-q23 by a preliminary PCR screen of hamster/human somatic cell hybrid genomic DNA samples and by fluorescence in situ hybridization.

### Overview

|                      |                                                                                                              |
|----------------------|--------------------------------------------------------------------------------------------------------------|
| Product Name         | Anti-HGD Antibody Picoband® Biotin Conjugated                                                                |
| Reactive Species     | Human, Mouse, Rat                                                                                            |
| Clonality            | Polyclonal                                                                                                   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.                             |
| Host                 | Rabbit                                                                                                       |
| Uniprot ID           | Q93099                                                                                                       |

### Technical Details

|                     |                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------|
| Immunogen           | E. coli-derived human HGD recombinant protein (Position: D374-N445).                               |
| Cross Reactivity    | No cross-reactivity with other proteins.                                                           |
| Isotype             | Rabbit IgG                                                                                         |
| Form                | Liquid                                                                                             |
| Concentration       | 0.5 mg/mL                                                                                          |
| Purification        | Immunogen affinity purified.                                                                       |
| Conjugate           | Biotin                                                                                             |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

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