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## Datasheet for ABIN2624956 anti-LPO antibody (Biotin)

### Overview

|              |   |
|--------------|---|
| Quantity:    | 1 mL  |
| Target:      | LPO   |
| Reactivity:  | Cow   |
| Host:        | Rabbit  |
| Clonality:   | Polyclonal  |
| Conjugate:   | This LPO antibody is conjugated to Biotin   |
| Application: | Immunohistochemistry (IHC), Immunocytochemistry (ICC), ELISA, Dot Blot (DB),<br>Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

### Product Details

|               |   |
|---------------|---|
| Immunogen:    | Lactoperoxidase (EC 1.11.1.7) is one of the major enzymes in bovine milk. The enzyme has a molecular weight of 80000. It is isolated from pooled bovine milk. Freund's complete adjuvant is used in the first step of the immunization procedure. |
|               | Type of Immunogen: Purified protein   |
| Specificity:  | Bovine lactoperoxidase.   |
| Purification: | Purified IgG  |

### Target Details

|                   |  |
|-------------------|--|
| Target:           | LPO  |
| Alternative Name: | LPO / Lactoperoxidase ( <a href="#">LPO Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | Name/Gene ID: LPO<br><br>Synonyms: LPO, Lactoperoxidase, Salivary peroxidase, SPO, SAPX |
| Gene ID:    | 4025  |

## Application Details

|                    |   |
|--------------------|---|
| Application Notes: | Approved: DB, ELISA, ICC, IHC, IHC-P<br><br>Usage: The reactivity of the antiserum is restricted to lactoperoxidase as tested in immunoelectrophoresis and radial immunodiffusion. Using various antiserum concentrations against fresh bovine milk a single precipitin line is obtained. No precipitation reaction is obtained with normal bovine serum or plasma. In immunocytochemical and immunohistochemical staining to identify and measure lactoperoxidase at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. Working dilutions for histochemical use are usually between 1:100 and 1:250. in ELISA and comparable non-precipitating antibody-binding assays between 1:1000 and 1:5000. The applications listed have been tested for the unconjugated form of this product. Other forms have not been tested. |
| Comment:           | Target Species of Antibody: Bovine  |
| Restrictions:      | For Research Use only   |

## Handling

|                  |   |
|------------------|---|
| Format:          | Lyophilized   |
| Reconstitution:  | Distilled water   |
| Concentration:   | Lot specific  |
| Buffer:          | Lyophilized from PBS, pH 7.2. No preservative added.                  |
| Preservative:    | Without preservative  |
| Handling Advice: | Avoid repeat freeze-thaw cycles.                                      |
| Storage:         | 4 °C, -20 °C  |
| Storage Comment: | Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles. |