



**Category:** Polyclonal Antibodies      **Cat. #** 1107NF- A48      **Product Name:** Lysozyme (Muramidase) - Concentrated

**Description:**  
Polyclonal Rabbit Anti-Human Lysozyme (Muramidase)

**Immunogen:**  
Purified human lysozyme from urine of patients with monocystic leukaemia.

**Cellular Localization:**  
Cytoplasmic

**Application:**  
IHC-- 1:30-1:60 (predigestion with proteolytic enzyme (pronase), / (trypsin) / (pepsin)) improves staining of formalin-fixed paraffin-embedded (FFPE) tissue sections.  
The optimum dilution should be determined by the individual lab.

**Species Reactivity:**  
Human, Rat, Mouse, Porcine, Monkey, Baboon, Cat and Dog. Others not tested.

**Presentation:**  
This antiserum is prepared by hyperimmunizing rabbit with highly purified antigen; the immunoglobulin is purified and supplied with 0.02M Sodium Phosphate, 0.1M Sodium Chloride, pH 7.4 and 0.05% Sodium Azide.

**Aliquoting Instructions:**  
Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. GENERAL INFO: When diluting for immunohistochemistry, ELISA or western blot, make the dilution in Antibody Diluting Buffer. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

**Staining Procedure:**  
This antibody can be used on formalin-fixed, paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:30 to 1:60 in IHC. Predigestion with proteolytic enzyme) improves staining of formalin fixed paraffin-embedded tissue sections. It is recommended that this product be used on frozen tissue sections or specimens. The optimal conditions should be determined by the individual laboratory.

**Specificity:**  
Lysozyme hydrolyzes certain glycosidic linkages of polysaccharides found in the cell walls of some bacteria. This enzyme is found in macrophages and in neutrophil granulocytes.

**Storage:**  
Refrigerate at 4°C. Do not freeze.

**Size:** 0.1 ml  
**Host:** Rabbit  
**Form:** Concentrated  
**Mol. Wt. of Antigen:** 14.5 kD  
**Concentration:** Antibody 1 mg/ml  
**Units On Hand:** YES

**References:**  
1. Meister P., et al., Virchows Arch A Path Anat Histol, 385: 233-46, 1980.  
2. Johansson B.G., and Malquist J., Scand J Clin Lab Invest, 27: 255-61, 1971.

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**Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email: [Info@antageneinc.com](mailto:Info@antageneinc.com)**