

## Alpha-1-Antitrypsin (AAT)

Rabbit Polyclonal Antibody

### **【Catalog Number】**

REF 0012

### **【Package Size】**

Ready to use: ☐ 1mL ☐ 2mL ☐ 3mL ☐ 5mL ☐ 6mL

Concentrated: ☐ 0.1mL ☐ 0.2 mL ☐ 0.5mL ☐ 1.0mL

### **【Intended Use】**

Rabbit Polyclonal anti-Alpha-1-Antitrypsin (AAT) antibody is intended for use to qualitatively identify AAT antigen by light microscopy in sections of formalin-fixed, paraffin-embedded tissue using IHC detection methodology.

***This antibody is for research use only (RUO).***

### **【Specimen Collection and Preparation for Analysis】**

Formalin-fixed, paraffin-embedded tissues.

Each section should be cut to the appropriate thickness (2-5  $\mu$ m) for the primary antibody being used and placed on a positively charged glass microscope slide.

### **【Storage and Handling】**

Store at 2-8°C. Do not freeze.

Do not use product beyond the expiration date for the storage method.

### **【Reagents Provided】**

Buffer: 10mM pH 7.4 Phosphate Puffer Saline (PBS).

Stabilizer: 0.05% bovine serum (BSA).

Preservative: 0.05% sodium azide ( $\text{NaN}_3$ ).

Ready-to-use antibody concentration: 2-5 $\mu$ g/mL.

Concentrated antibody concentration: 50-200 $\mu$ g/mL.

### **【Staining Procedure】**

1. Deparaffinized slides in 3 changes of xylene (or Dewax solution), 10 minutes each. and hydrate through a graded series alcohols .

2. Wash the section in 90%, 80% and 70% ethyl alcohol for 10 minutes each.
3. Rinse in distilled water, 2 x 5 minutes.
4. Block the endogenous peroxidase by incubating the tissue in 3% hydrogen peroxide ( $\text{H}_2\text{O}_2$ ) for 10 minutes.
5. Wash in distilled water, 2 x 5 minutes.
6. Antigen retrieval: Place slides in a pressure cooker filled with Epitope Retrieval Solution (Citrate, pH 6.0) buffer.
7. Wash in PBS 2 x 5 minutes.
8. Concentrated Antibody Dilution  
Suggested Dilution: 1:50-1:100  
The optimal dilution for a specific application under a given set of experimental conditions should be determined by the investigator.
9. Add 100 $\mu$ L primary antibody, Incubate for 30 minutes .  
Wash in PBS 2 x 5 minutes.
10. Add 100 $\mu$ L secondary antibody (the protocol depends on the supplier), and proceed to standard immunohistochemistry protocol. Wash in PBS 2 x 5 minutes.
11. Add 100 $\mu$ L DAB solution (the protocol depends on the supplier), Incubate for 2-10 minutes. Wash in PBS 2 x 5 minutes.
12. Counterstain with hematoxylin. Rinse with deionized water.

### **【Contact Information】**



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