

## Anti-E1 Ubiquitin Activating Enzyme Rabbit Monoclonal Antibody

### Introduction

Catalyzes the first step in ubiquitin conjugation to mark cellular proteins for degradation through the ubiquitin-proteasome system. Activates ubiquitin by first adenylating its C-terminal glycine residue with ATP, and thereafter linking this residue to the side chain of a cysteine residue in E1, yielding a ubiquitin-E1 thioester and free AMP.

### Product parameters

|                    |  |
|--------------------|--|
| Alternative Names  | UBA1; A1S9T; UBE1; Ubiquitin-like modifier-activating enzyme 1; Protein A1S9; Ubiquitin-activating enzyme E1 |
| Gene ID            | 7317   |
| Gene Name          | UBA1   |
| SwissProt ID       | P22314   |
| Host               | Rabbit   |
| Reactivity         | Human, Mouse, Rat  |
| Molecular Weight   | Calculated MW: 118 kDa; Observed MW: 118 kDa   |
| Conjugation        | Unconjugated   |
| Ex                 | -  |
| Em                 | -  |
| Modification       | Unmodified   |
| Clonality          | IgG  |
| Isotype            | Monoclonal Antibody  |
| Clonality No.      | AP-8E9E12  |
| Form               | Liquid   |
| Concentration      | See label  |
| Carrier            | Carrier Free   |
| Immunogen          | A synthesized peptide derived from human E1 Ubiquitin Activating Enzyme                                      |
| Purification       | Affinity Chromatography  |
| Buffer System      | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.            |
| Application        | WB, IHC-P, ICC/IF, FC  |
| Dilution Ratio     | WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200 FC: 1/50-1/100   |
| Research Field     | Cell Biology   |
| Product Categories | Primary antibody   |

|                 |                                  |
|-----------------|----------------------------------|
| Shipping        | Blue ice                         |
| Storage         | -20°C                            |
| Expiration Date | 12 months                        |
| Note            | Please avoid freeze-thaw cycles. |

## Protocol



Configure the product according to the application range and recommended dilution ratio.

**\*Note:** The primary antibody dilution buffer options: WB - Primary Antibody Dilution Buffer (Cat. #: K1200, Not for HRP/AP conjugated antibodies), Immunostaining - Immunol Staining Primary Antibody Dilution Solution (Cat. #: K4655).

## Note

1. This product is for scientific research use only.



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