

## Rabbit anti-Human METAP1 Polyclonal Antibody | anti-METAP1 antibody

Anti-METAP1 Antibody, Rabbit Polyclonal

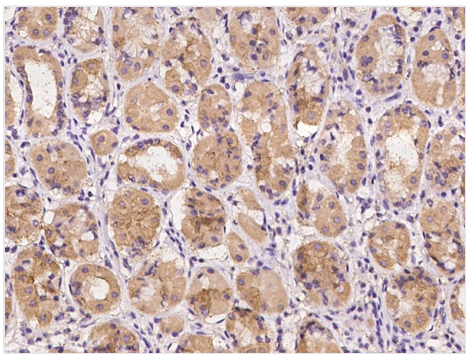
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA256100 | Rabbit | Human      | Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

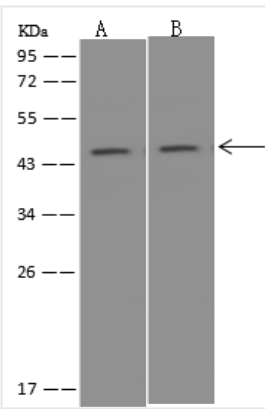
METAP1; Polyclonal Antibody; Anti-METAP1 Antibody; Rabbit Polyclonal; METAP1 Antibody; Rabbit PAb; Antigen Affinity Purified; methionyl aminopeptidase 1; Anti-MAP1A Antibody; Anti-MetAP1A Antibody; anti-METAP1 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                                                                                                                    |
|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                                                                                                             |
| Reactivity                                       | Human                                                                                                                                                                                                                                              |
| Clonality                                        | Polyclonal                                                                                                                                                                                                                                         |
| Isotype                                          | Rabbit IgG                                                                                                                                                                                                                                         |
| Specificity                                      | Human METAP1                                                                                                                                                                                                                                       |
| Purity/Purification                              | Protein A & Antigen Affinity                                                                                                                                                                                                                       |
| Form/Format                                      | Liquid; PBS, pH7.0 with 0.03% Proclin300                                                                                                                                                                                                           |
| Applicable Applications for anti-METAP1 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                      |
| Immunogen                                        | E Coli-derived Human METAP1 fragment                                                                                                                                                                                                               |
| Conjugation                                      | Unconjugated                                                                                                                                                                                                                                       |
| Preparation                                      | Produced in rabbits immunized with E Coli-derived Human METAP1 fragment, and purified by antigen affinity chromatography.                                                                                                                          |
| Preparation and Storage                          | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. |



**IHC (Immunohistochemistry)**  
Immunochemical staining of human METAP1 in human stomach with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



**WB (Western Blot)**  
Anti-METAP1 rabbit polyclonal antibody at 1:500 dilutionLane A: COLO205 Whole Cell LysateLane B: A549 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution.Developed using the ECL technique.Performed under reducing conditions.Predicted band size:43 kDaObserved band size:45 kDa

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-METAP1 antibody | Processing of the N-terminal initiator methionine or formylated methionine is an essential cellular process conserved from prokaryotes to eukaryotes. The proteolytic removal of N-terminal methionine from nascent peptides is catalyzed by a family of enzymes known as methionine aminopeptidases (MetAPs) and is essential for cell growth. METAP1 and METAP2 have different substrate specificity due to the differences in both size and shape of the active sites. As a member of the M24 family of metalloproteases, METAP1 plays an important role in G(2)/M phase regulation of the cell cycle and may serve as a promising target for the discovery and development of new anticancer agents. |
| References                                           | 1. Lowther, W.T. and B.W. Matthews, 2000, Biochim. Biophys. Acta. 1477: 157-167. 2. Addlaqatta, A. et al., 2005, Biochemistry. 44: 14741-14749. 3. Hu, X. et al., 2006, Proc. Natl. Acad. Sci. U.S.A. 103:18148-18153.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.