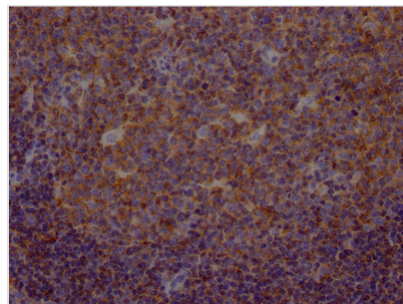




METAP2 Antibody

| | |
|----------------------------|---|
| Product Code | CSB-RA294332A0HU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P50579 |
| Immunogen | A synthesized peptide derived from human Methionine Aminopeptidase 2 |
| Species Reactivity | Human |
| Tested Applications | ELISA, IHC; Recommended dilution: IHC:1:50-1:200 |
| Relevance | Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and uncharged (Met-Ala-, Cys, Gly, Pro, Ser, Thr, or Val). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo. |
| Form | Liquid |
| Conjugate | Non-conjugated |
| Storage Buffer | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Purification Method | Affinity-chromatography |
| Isotype | Rabbit IgG |
| Clonality | Monoclonal |
| Product Type | Recombinant Antibody |
| Immunogen Species | Homo sapiens (Human) |
| Research Area | Metabolism; Signal transduction |
| Gene Names | METAP2 |
| Accession NO. | 8F2 |

Image



IHC image of CSB-RA294332A0HU diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.

Description

METAP2 is an enzyme responsible for the cleavage of the initiator methionine



from nascent peptides during translation. In addition to regulating post-translational processing and protein synthesis, METAP2 also plays an important role in the development of different types of cancer. Overexpression of METAP2 has been detected in many forms of cancer including human colon cancer, malignant lymphomas, and esophageal squamous carcinomas. Inhibition of METAP2 has been shown to block angiogenesis and suppress tumor growth in preclinical tumor models.

Compared with the polyclonal and monoclonal antibodies of METAP2, this METAP2 recombinant antibody has the features of increased reproducibility and control, animal-free technology, high degree of monovalency, high batch-to-batch consistency, easier isotype conversion, etc. And it has been validated in ELISA, IHC.