

Datasheet for ABIN1410614

**anti-Thimet Oligopeptidase 1 antibody (AA 51-150) (HRP)**[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | Thimet Oligopeptidase 1 (THOP1)                                                                                                                  |
| Binding Specificity: | AA 51-150                                                                                                                                        |
| Reactivity:          | Human                                                                                                                                            |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This Thimet Oligopeptidase 1 antibody is conjugated to HRP                                                                                       |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Thimet Oligopeptidase |
| Isotype:              | IgG                                                                       |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Horse                                                 |
| Purification:         | Purified by Protein A.                                                    |

## Target Details

|                   |                                                                                    |
|-------------------|------------------------------------------------------------------------------------|
| Target:           | Thimet Oligopeptidase 1 (THOP1)                                                    |
| Alternative Name: | THOP1/Thimet Oligopeptidase ( <a href="#">THOP1 Products</a> )                     |
| Background:       | Synonyms: Endopeptidase 24.15, EP24.15, MEPD_HUMAN, MP78, Thimet oligopeptidase 1, |

## Target Details

Thimet oligopeptidase, Thop1, THOP1\_HUMAN, EC 3.4.24.15.

Background: Thimet oligopeptidase, also designated soluble metallo-endopeptidase, is a cytoplasmic protein belonging to the peptidase M3 family. The gene for the protein maps against chromosome 19q13.3. Thimet oligopeptidase can degrade the b-Amyloid precursor protein and generate amyloidogenic fragments. It is important in cytoplasmic peptide degradation and involved in metabolism of neuropeptides that are less than 20 amino acids in length. Thimet oligopeptidase is highly expressed in testis but can also be detected in liver, lung and kidney.

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | WB 1:300-5000         |
|                    | IHC-P 1:200-400       |
|                    | IHC-F 1:100-500       |
| Restrictions:      | For Research Use only |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Handling Advice:   | Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.               |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |