

**Anti-TPP2 Antibody**  
**Rabbit polyclonal antibody to TPP2**  
**Catalog # AP61632****Specification**

---

**Anti-TPP2 Antibody - Product Information**

Application	WB, IF/IC, IHC
Primary Accession	<a href="#">P29144</a>
Other Accession	<a href="#">Q64514</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	138350

**Anti-TPP2 Antibody - Additional Information****Gene ID** 7174**Other Names**

Tripeptidyl-peptidase 2; TPP-2; Tripeptidyl aminopeptidase; Tripeptidyl-peptidase II; TPP-II

**Target/Specificity**

Recognizes endogenous levels of TPP2 protein.

**Dilution**

WB~~1:1000

IF/IC~~N/A

IHC~~1:100~500

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-TPP2 Antibody - Protein Information****Name** TPP2**Function**

Cytosolic tripeptidyl-peptidase that releases N-terminal tripeptides from polypeptides and is a component of the proteolytic cascade acting downstream of the 26S proteasome in the ubiquitin-proteasome pathway (PubMed: [25525876](http://www.uniprot.org/citations/25525876), PubMed: [30533531](http://www.uniprot.org/citations/30533531)). It plays an important role in intracellular amino acid homeostasis (PubMed: [25525876](http://www.uniprot.org/citations/25525876)). Stimulates adipogenesis (By similarity).

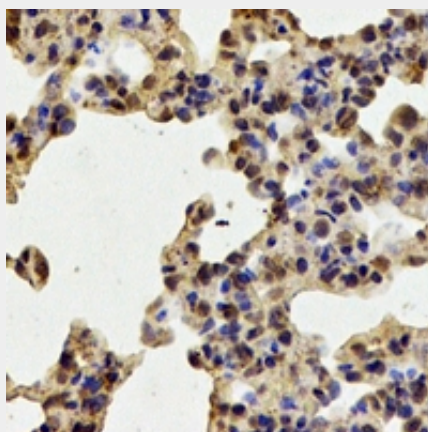
**Cellular Location**

Cytoplasm. Nucleus. Note=Translocates to the nucleus in response to gamma-irradiation

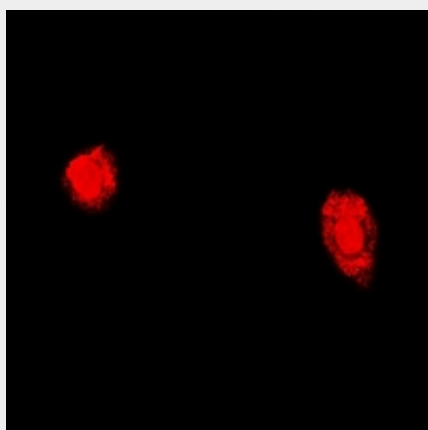
**Anti-TPP2 Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-TPP2 Antibody - Images**

Immunohistochemical analysis of TPP2 staining in mouse lung formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of TPP2 staining in U2OS cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for

30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**Anti-TPP2 Antibody - Background**

Recombinant full length protein of human TPP2