

# Anti-Hepsin Antibody

Catalog # AP95426

## Product Information

---

|                   |                         |
|-------------------|-------------------------|
| Application       | FC, IF/IC               |
| Primary Accession | <a href="#">P05981</a>  |
| Reactivity        | Human                   |
| Host              | Mouse                   |
| Clonality         | Monoclonal (clone: 2D5) |
| Calculated MW     | 45011                   |

## Additional Information

---

|                    |                                                                   |
|--------------------|-------------------------------------------------------------------|
| Gene ID            | 3249                                                              |
| Other Names        | TMPRSS1; Serine protease hepsin; Transmembrane protease serine 1  |
| Target/Specificity | Recombinant fusion protein of human HPN                           |
| Dilution           | FC~~1:10~50 IF/IC~~N/A                                            |
| Format             | Mouse IgG2a kappa. Liquid in PBS, pH 7.3, and 0.02% sodium azide. |
| Storage            | Store at -20 °C.Stable for 12 months from date of receipt         |

## Protein Information

---

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name              | HPN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Synonyms          | TMPRSS1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Function          | Serine protease that cleaves extracellular substrates, and contributes to the proteolytic processing of growth factors, such as HGF and MST1/HGFL (PubMed: <a href="#">15839837</a> , PubMed: <a href="#">21875933</a> ). Plays a role in cell growth and maintenance of cell morphology (PubMed: <a href="#">21875933</a> , PubMed: <a href="#">8346233</a> ). Plays a role in the proteolytic processing of ACE2 (PubMed: <a href="#">24227843</a> ). Mediates the proteolytic cleavage of urinary UMOD that is required for UMOD polymerization (PubMed: <a href="#">26673890</a> ). |
| Cellular Location | Cell membrane; Single-pass type II membrane protein Apical cell membrane; Single-pass type II membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tissue Location   | Detected in liver and kidney.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |