

PSMC3 Antibody

Catalog No: #32537

Package Size: #32537-1 50ul #32537-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

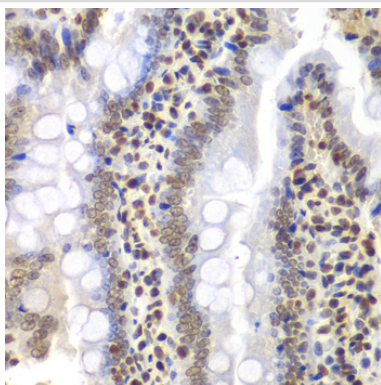
Description

| | |
|-----------------------|---|
| Product Name | PSMC3 Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Purification | Affinity purification |
| Applications | WB,IHC |
| Species Reactivity | Human,Mouse,Rat |
| Specificity | The antibody detects endogenous level of total PSMC3 protein. |
| Immunogen Type | Recombinant Protein |
| Immunogen Description | Recombinant fusion protein of human PSMC3 (NP_002799.3). |
| Target Name | PSMC3 |
| Other Names | PSMC3;TBP1;ATPase 3 |
| Accession No. | Uniprot:P17980GeneID:5702 |
| Uniprot | P17980 |
| GeneID | 5702 |
| SDS-PAGE MW | 49kDa |
| Concentration | 1.0mg/ml |
| Formulation | PBS with 0.02% sodium azide,50% glycerol,pH7.3. |
| Storage | Store at -20°C. Avoid freeze / thaw cycles. |

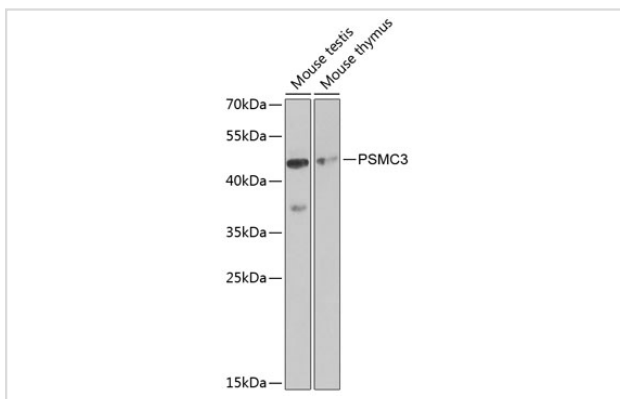
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200

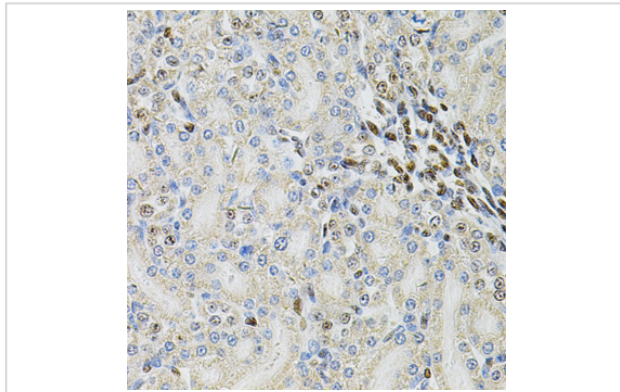
Images



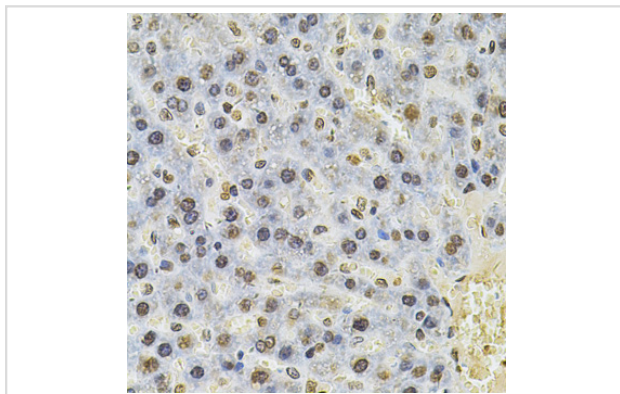
Immunohistochemistry of paraffin-embedded rat intestine using PSMC3 Antibody.



Western blot analysis of extracts of various cell lines, using PSMC3 antibody.



Immunohistochemistry of paraffin-embedded rat kidney using PSMC3 Antibody.



Immunohistochemistry of paraffin-embedded rat liver using PSMC3 Antibody.

Background

The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes one of the ATPase subunits, a member of the triple-A family of ATPases that have chaperone-like activity. This subunit may compete with PSMC2 for binding to the HIV tat protein to regulate the interaction between the viral protein and the transcription complex. A pseudogene has been identified on chromosome 9.

Note: This product is for in vitro research use only