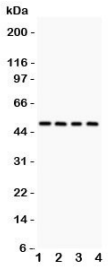
# Alpha 1 Antitrypsin Antibody (R31767)

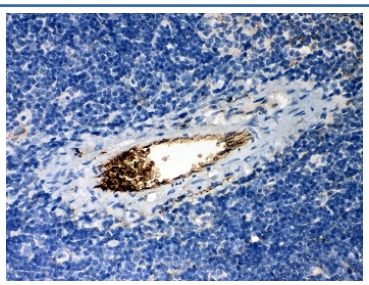
| Catalog No. | Formulation | Size |
|---|---|---|
| R31767 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

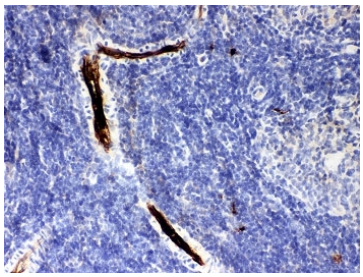
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Mouse, Rat |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide |
| **Gene ID** | 24648 |
| **Localization** | Secreted, Cytoplasm/ER |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml |
| **Limitations** | This Alpha 1 Antitrypsin antibody is available for research use only. |



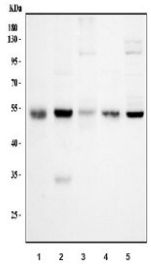

Western blot testing of Alpha 1 Antitrypsin antibody and Lane 1: rat testis; 2: mouse testis; 3: (r) liver; 4: (m) liver lysate. Expected molecular weight: ~47 kDa (unmodified), 52 kDa (glycosylated).



IHC-P: Alpha 1 Antitrypsin antibody testing of mouse spleen tissue



IHC-P: Alpha 1 Antitrypsin antibody testing of rat spleen tissue




Western blot testing of 1) rat kidney, 2) rat lung, 3) rat testis, 4) mouse kidney and 5) mouse lung tissue lysate with Alpha 1 Antitrypsin antibody. Expected molecular weight: ~47 kDa (unmodified), 52 kDa (glycosylated).

## Description

Alpha 1 Antitrypsin is secreted serine protease inhibitor whose targets include elastase, plasmin, thrombin, trypsin, chymotrypsin, and plasminogen activator. Defects in this gene can cause emphysema or liver disease. Several transcript variants encoding the same protein have been found for this SERPINA1 gene.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Alpha 1 Antitrypsin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Rat partial recombinant protein (AA 211-411) was used as the immunogen for this Alpha 1 Antitrypsin antibody.

## Storage

After reconstitution, the Alpha 1 Antitrypsin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com