

Product datasheet for **TA349900S**

DNase I (DNASE1) Rabbit Polyclonal Antibody

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC |
| Recommended Dilution: | IHC: 25-100 Positive control: Human prostate cancer Predicted cell location: Secreted |
| Reactivity: | Human, Mouse, Rat |
| Host: | Rabbit |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Fusion protein of human DNASE1 |
| Formulation: | pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol |
| Purification: | Antigen affinity purification |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | deoxyribonuclease I |
| Database Link: | NP_005214 Entrez Gene 25633 Rat Entrez Gene 1773 Human P24855 |

Background: This gene encodes a member of the DNase family. This protein is stored in the zymogen granules of the nuclear envelope and functions by cleaving DNA in an endonucleolytic manner. At least six autosomal codominant alleles have been characterized, DNASE1*1 through DNASE1*6, and the sequence of DNASE1*2 represented in this record. Mutations in this gene have been associated with systemic lupus erythematosus (SLE), an autoimmune disease. A recombinant form of this protein is used to treat the one of the symptoms of cystic fibrosis by hydrolyzing the extracellular DNA in sputum and reducing its viscosity. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

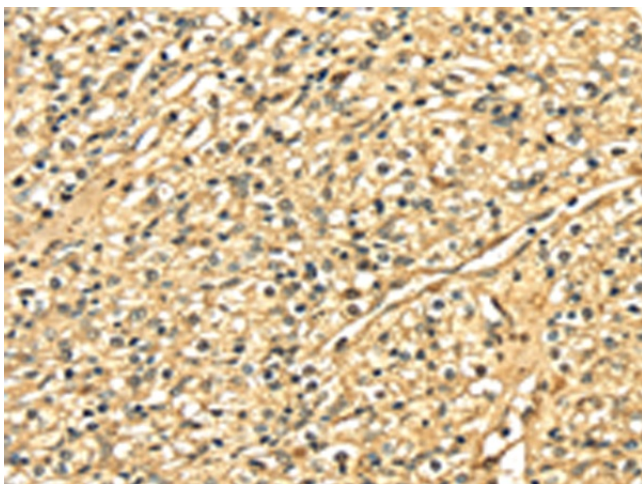


[View online »](#)

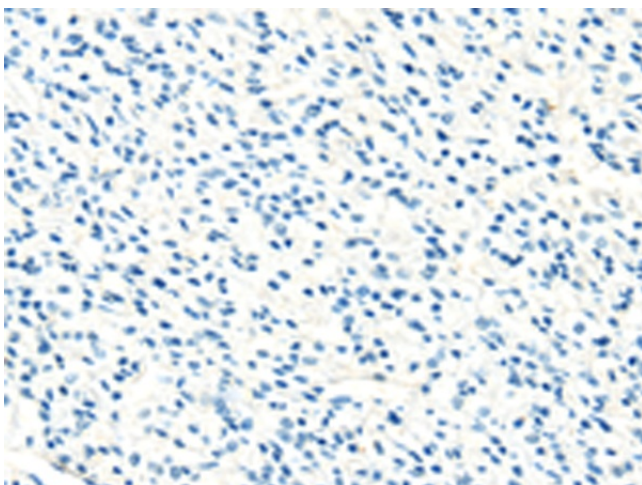
Synonyms: DNL1; DRNI

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA349900] (DNASE1 Antibody) at dilution 1/25 (Original magnification: $\times 200$)



Immunohistochemistry of paraffin-embedded Human prostate cancer tissue using [TA349900] (DNASE1 Antibody) at dilution 1/25, treated with fusion protein. (Original magnification: $\times 200$)