

## DNase- I Polyclonal Antibody

**catalog number: D-AB-10417L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human DNase- I protein expressed by Mammalian
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Antigen Affinity Purification
<b>Buffer</b>	PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4

### Applications Recommended Dilution

<b>WB</b>	1:500-1:1000
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### Data



Western blot with DNase- I Polyclonal antibody at dilution of 1:1000.lane 1:Hela whole cell lysate

**Observed-MW:43 kDa**

**Calculated-MW:31 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

DNaseI,also known as deoxyribonuclease I and DNLI,is a member of the DNase family. DNaseI is a nuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide,yielding 5'-phosphate-terminated polynucleotides with a free hydroxyl group on position 3',on average producing tetranucleotides. DNaseI binds to the cytoskeletal protein actin. It binds actin monomers with very high (sub-nanomolar) affinity and actin polymers with lower affinity. Mutations in DNaseI gene have been associated with systemic lupus erythematosus (SLE),an autoimmune disease. DNaseI is used to treat the one of the symptoms of cystic fibrosis by hydrolyzing the extracellular DNA in sputum and reducing its viscosity.

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