



# Rabbit Anti-Human DNASE1 Polyclonal Antibody (CABT-L2071)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to DNASE I
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against DNASE1. It has been selected for its ability to recognize DNASE1 in IF and WB.
<b>Target</b>	DNASE1
<b>Immunogen</b>	Recombinant fragment corresponding to human DNASE1 (Gly19~Ala259)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF Recommended dilution WB 1:500 - 1:2000 IF 1:50 - 1:100
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.

<b>Preservative</b>	0.05% Proclin-300
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	<p>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. [provided by RefSeq, Jul 2008]</p>
<b>Keywords</b>	DNaseI;DNL1;DRNI;DNase-I;Dornase alfa

## GENE INFORMATION

<b>Gene Name</b>	DNASE1 deoxyribonuclease I [ Homo sapiens (human) ]
<b>Official Symbol</b>	DNASE1
<b>Synonyms</b>	DNASE1; deoxyribonuclease I; DNL1; DRNI; deoxyribonuclease-1; Dornase alfa; DNase I, lysosomal; human urine deoxyribonuclease I;
<b>Entrez Gene ID</b>	<a href="#">1773</a>
<b>Protein Refseq</b>	NP_005214
<b>UniProt ID</b>	<a href="#">P24855</a>
<b>Chromosome Location</b>	16p13.3
<b>Function</b>	actin binding; deoxyribonuclease I activity; endodeoxyribonuclease activity; protein binding;