



Basic Information

Catalog Number:	85854-1-RR	GenBank Accession Number:	
		GenID (NCBI):	
Size:	100ul, Concentration: 1000 ug/ml by Nanodrop;	Full Name:	
Source:	Rabbit		
Isotype:	IgG		
			Purification Method: Protein A purification
			Clone No.: 250864A1
			Recommended Dilutions: IHC: 1:800-1:3200 FC (Intra): 0.2 ug per 10^6 cells in a 100 µl suspension Dot Blot: 1:50-1:500

Applications

Tested Applications:	Positive Controls:
IHC, FC (Intra), Dot Blot, ELISA	IHC : human placenta tissue, human ovary tumor tissue, human tonsillitis tissue
Species Specificity:	FC (Intra) : HeLa cells,
n/a	Dot Blot : N/A,

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Background Information

DNA antibodies are a type of antibody that can specifically bind to DNA and are mainly used to detect and study DNA-related biological processes. This antibody can recognize single-stranded DNA and double-stranded DNA (including linear DNA and circular DNA).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

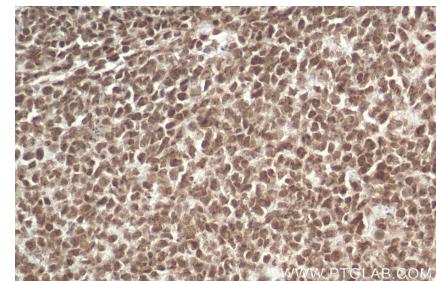
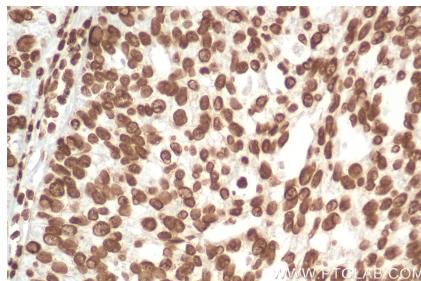
Selected Validation Data

Sample (μ g)	1	2	3	4	5	6
2	●	●	●			
0.2		●				
0.02		●				
0.002						
0.0002						

Antibody Conc:5 μ g/mL

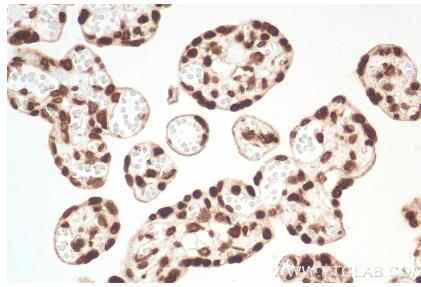
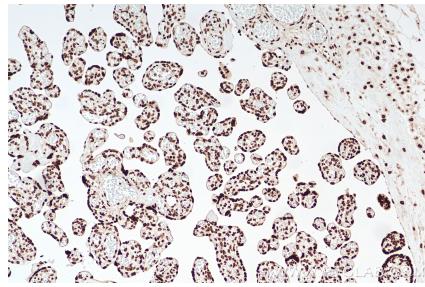
Column 1: Linear DNA
Column 2: Supercoiled DNA
Column 3: ssDNA
Column 4: poly(I:C)
Column 5: ssRNA
Column 6: H₂O

Dot blot analysis was used to confirm the specificity of 85854-1-RR anti-DNA antibody. samples were spotted onto NC and probed with antibody at 5 μ g/mL. The amount of sample (μ g) spotted is indicated next to each row.



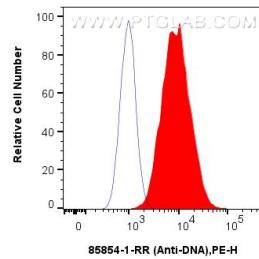
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10⁶ HeLa cells were intracellularly stained with 0.2 μ g N/a Anti-DNA Recombinant Antibody (85854-1-RR, Clone:250864A1) and PE-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.2 μ g Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.