



Basic Information

Catalog Number:	85854-1-RR	GenBank Accession Number:	Purification Method:
Source:	Rabbit	GenID (NCBI):	Protein A purification
Isotype:	IgG	Full Name:	CloneNo.: 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

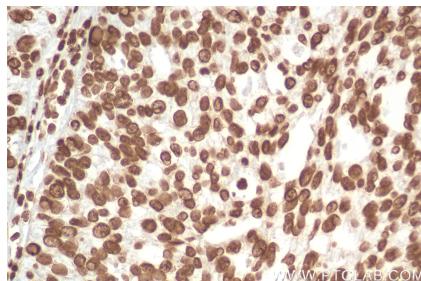
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

Selected Validation Data

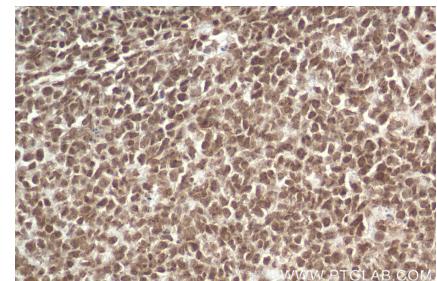
Sample (μg)	1	2	3	4	5	6
2	●	●	●			
0.2		●				
0.02		●				
0.002						
0.0002						

Antibody Conc:5μg/mL

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

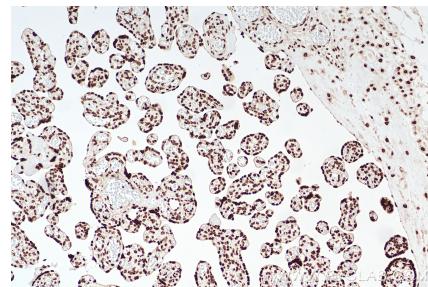


Dot blot analysis was used to confirm the specificity of 85854-1-RR anti-DNA antibody. samples were spotted onto NC and probed with antibody at 5 μg/mL. The amount of sample (μg) spotted is indicated next to each row.

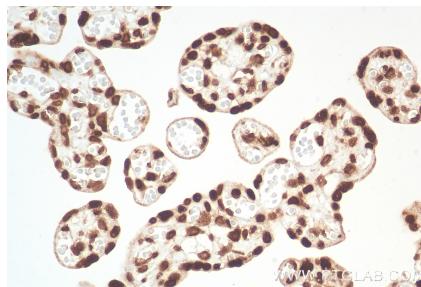


Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

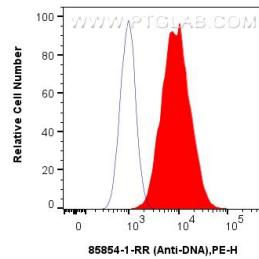
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 85854-1-RR (Anti-DNA antibody) at dilution of 1:1600 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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