

**DPPA4 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP1438a****Specification**

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**DPPA4 Antibody (N-term) - Product Information**

Application	WB, IHC-P,E
Primary Accession	<a href="#">O7L190</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	33541
Antigen Region	50-79

**DPPA4 Antibody (N-term) - Additional Information****Gene ID** 55211**Other Names**

Developmental pluripotency-associated protein 4, DPPA4

**Target/Specificity**

This DPPA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 50-79 amino acids from the N-terminal region of human DPPA4.

**Dilution**

WB~~1:2000

IHC-P~~1:25

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

DPPA4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**DPPA4 Antibody (N-term) - Protein Information****Name** DPPA4**Function** May be involved in the maintenance of active epigenetic status of target genes. May

inhibit differentiation of embryonic cells into a primitive ectoderm lineage.

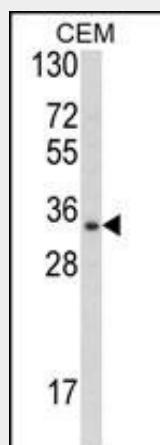
**Cellular Location**

Nucleus {ECO:0000250|UniProtKB:Q8CCG4}. Note=Associated with transcriptionally active chromatin {ECO:0000250|UniProtKB:Q8CCG4}

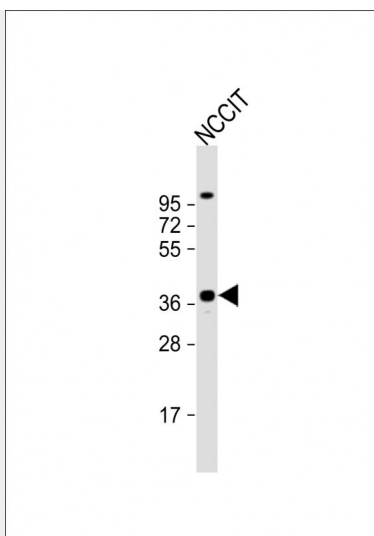
**DPPA4 Antibody (N-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

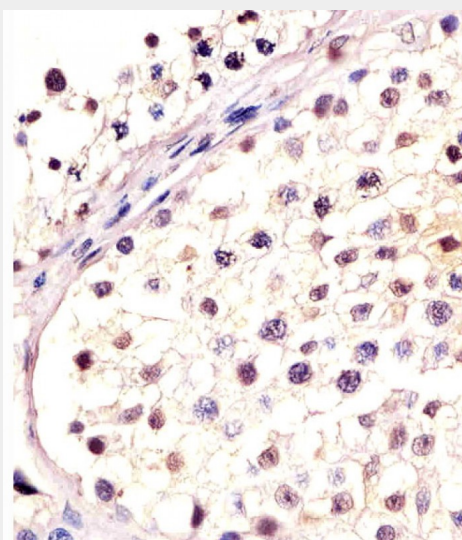
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**DPPA4 Antibody (N-term) - Images**

Western blot analysis of DPPA4 Antibody (N-term) (Cat. #AP1438a) in CEM cell line lysates (35ug/lane). DPPA4 (arrow) was detected using the purified Pab.



Anti-DPPA4 Antibody (N-term) at 1:2000 dilution + NCCIT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 34 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP1438a staining DPPA4 in human testis tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0.5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hour at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

#### **DPPA4 Antibody (N-term) - Background**

DppA4 is a member of the Dppa family of developmental pluripotency associated transcription factors. Dppa4 is a target of Oct4, Sox2 and Nanog. It may play a role in maintaining cell pluripotentiality.

#### **DPPA4 Antibody (N-term) - References**

Bortvin,A., Development 130 (8), 1673-1680 (2003)