10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DPPA4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1438a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7L190
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB13363
Calculated MW	33541
Antigen Region	50-79

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~~1:100~500 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.

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}

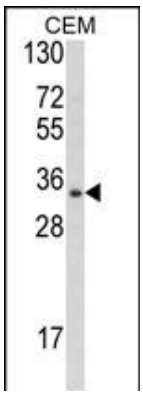
Background

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.

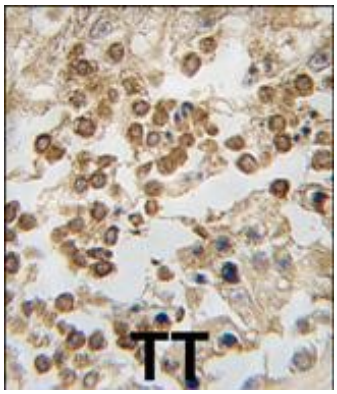
References

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

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.



Formalin-fixed and paraffin-embedded human testis tissue reacted with DPPA4 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Citations

- Embryonic stem cell factors DPPA2/4 amplify active H3K4me3-H2AK119ub chromatin domains in non-small cell lung cancer.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.