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Dppa4 Rabbit pAb

Catalog # AP98747

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q7L190
Other Accession	Q7L190
Predicted	Rat, Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	33541
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Dppa4
Epitope Specificity	51-150/304
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	DPPA4 (developmental pluripotency associated 4) is a 304 amino acid protein that localizes to the nucleus and is thought to be involved in the maintenance of cell pluripotentiality during embryogenesis. The gene encoding DPPA4 maps to human chromosome 3, which houses over 1,100 genes, including a chemokine receptor (CKR) gene cluster and a variety of human cancer-related gene loci. Key tumor suppressing genes on chromosome 3 include those that encode the apoptosis mediator RASSF1, the cell migration regulator HYAL1 and the angiogenesis suppressor SEMA3B. Marfan Syndrome, porphyria, von Hippel-Lindau syndrome, osteogenesis imperfecta and Charcot-Marie-Tooth Disease are a few of the numerous genetic diseases associated with chromosome 3.

Additional Information

Gene ID	55211
Other Names	2410091M23Rik; DPPA4_HUMAN; DPPA4; developmental pluripotency associated 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

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}

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