

Rabbit Anti-Dppa4/AP Conjugated antibody

SL13595R-AP

Product Name	Anti-Dppa4/AP
Chinese Name	碱性磷酸酶 (AP) 标记的多能发育相关基因 4 抗体
Alias	2410091M23Rik; Developmental pluripotency associated 4; Developmental pluripotency associated protein 4; Developmental pluripotency-associated protein 4; Dppa 4; DPPA4; DPPA4_HUMAN; FLJ10713.
Research Area	Cell biology Stem cells transcriptional regulatory factor
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ELISA=1:500-5000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	34kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human Dppa4
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: 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.

Function:

May be involved in the maintenance of active epigenetic status of target genes (By similarity). May inhibit differentiation of embryonic cells into a primitive ectoderm lineage.

Subcellular Location:

Nucleus.

Database links:

[Entrez Gene: 55211](#) Human

[Omic: 614125](#) Human

[SwissProt: Q7L190](#) Human

[Unigene: 317659](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.