



Rabbit Anti-DPPA5 antibody

SL12192R

Product Name:	DPPA5
Chinese Name:	多能发育相关基因5抗体
Alias:	Developmental pluripotency associated 5; DPPA5; Embryonal stem cell specific gene 1 protein; Esg 1; ESG1; hDPPA5; DPPA5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	13kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from Human DPPA5:1-100/116
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	DPPA5 is a 116 amino acid protein that localizes to the cytoplasm and contains one KH domain. Expressed in embryonic germ (EG), primordial germ (PG) and embryonic stem (ES) cells, DPPA5 plays an important role in the maintenance of ES cell pluripotency and may be necessary for proper embryogenesis. The gene encoding DPPA5 maps to human chromosome 6, which contains 170 million base pairs and comprises nearly 6% of the human genome. Deletion of a portion of the q arm of

chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

Function:

Dppa5 (sometimes known as Esg1) is expressed in mouse and human pluripotent cells and can be used as a marker of these cell types (Kim et al., 2005).

Subcellular Location:

Cytoplasmic

Similarity:

Belongs to the KHDC1 family.
Contains 1 KH domain.

SWISS:

A6NC42

Gene ID:

340168

Database links:

[Entrez Gene: 340168](#)Human

[Entrez Gene: 434423](#)Mouse

[Omim: 611111](#)Human

[SwissProt: A6NC42](#)Human

[SwissProt: Q9CQS7](#)Mouse

[Unigene: 125331](#)Human

Important Note:

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