



# DPPA5 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Catalog No</b>                  | YP-Ab-06925                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>                   | DPPA5 ESG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen</b>                   | Synthesized peptide derived from part region of human protein AA range: 1-50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Specificity</b>                 | DPPA5 Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                    | E(Sp1) homolog;ESG;ESG1;GRG1;TLE1;DPPA5;DPPA5 ESG1;Developmental pluripotency-associated 5 protein (hDPPA5) (Embryonal stem cell-specific gene 1 protein) (ESG-1)                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Observed Band</b>               | 12kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Calculated Molecular Weight</b> | 12kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cell Pathway</b>                | Cytoplasm .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                    | developmental stage:Expressed in primordial germ (PGC), embryonic germ (EGC) and embryonic stem (ESC) cells. Not detected in embryonic carcinoma (ECC) cells.,function:Involved in the maintenance of embryonic stem (ES) cell pluripotency. Dispensable for self-renewal of pluripotent ES cells and establishment of germ cells. Associates with specific target mRNAs., induction:Down-regulated in differentiated embryonic stem (ESC) cells, compared with strong expression in undifferentiated ESC cells., similarity:Belongs to the KHDC1 family.,similarity:Contains 1 KH domain., |



## Background

This gene encodes a protein that may function in the control of cell pluripotency and early embryogenesis. Expression of this gene is a specific marker for pluripotent stem cells. Pseudogenes of this gene are located on the short arm of chromosome 10 and the long arm of chromosomes 14 and 19. [provided by RefSeq, Dec 2010],

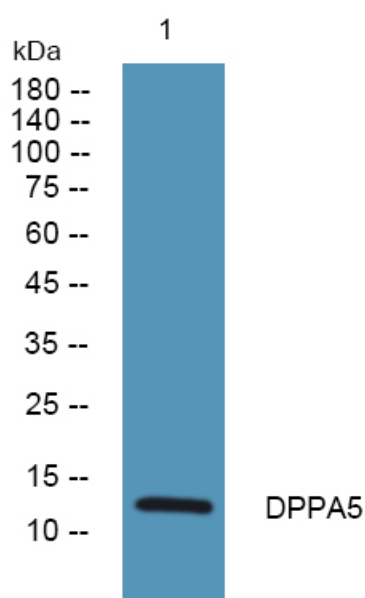
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from Jarkat cells, primary antibody was diluted at 1:1000, 4° over night