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# Rabbit Anti-DPPA5/AF350 Conjugated antibody

SL12192R-AF350

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| **Product Name** | Anti-DPPA5/AF350 |
| **Chinese Name** | AF350 标记的多能发育相关基因 5 抗体 |
| **Alias** | Developmental pluripotency associated 5; DPPA5; Embryonal stem cell specific gene 1 protein; Esg 1; ESG1; hDPPA5; DPPA5_HUMAN. |
| **Research Area** | Cell biology Developmental biology Stem cells |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | (predicted:Human,Mouse,Rat,Rabbit) |
| **Applications** | ICC/IF=1:50-200,IF=1:100-500<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight** | 13kDa |
| **Form** | Lyophilized or Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from Human DPPA5 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Storage Buffer** | 1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Product Detail** | **background:**<br>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, |

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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.

**Database links:**
UniProtKB/Swiss-Prot: A6NC42.1

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