

Product Information

Anti-DPPA5

produced in rabbit, affinity isolated antibody

Catalog Number **D2569**

Product Description

Anti-DPPA5 is produced in rabbit using as immunogen a synthetic peptide corresponding to amino acids 43-60 [RIPYIEQVSKAMLELKAL] of human DPPA5 (GeneID 340168). The sequence is 85% identical in mouse and rat. The antibody is affinity-purified.

Anti-DPPA5 recognizes human DPPA5. Applications include the detection of DPPA5 by immunoblotting (~14 kDa) and immunohistochemistry.

The DPPA5 (developmental pluripotency associated 5) protein is strongly expressed in primordial germ cells, and the expression is down-regulated during germ cell development. DPPA5 is specifically and differentially expressed in human cells that have pluripotency and can be used as a marker of pluripotent stem cells.

Reagent

Supplied as a solution in phosphate buffered saline, containing 0.02% sodium azide.

Antibody concentration: ~1.0 mg/mL

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

For continuous use, store at 2-8 °C for up to three months. For extended storage, freeze in working aliquots. Repeated freezing and thawing, or storage in "frost-free" freezers, is not recommended.

Product Profile

Immunoblotting: a working dilution of 1:500 to 1:1,000 is recommended.

Immunohistochemistry: a working dilution of 1:100 to 1:250 is recommended.

Note: In order to obtain the best results using various techniques and preparations, we recommend determining the optimal working dilutions by titration.

References

1. Kim, S.K., et al., Identification of developmental pluripotency associated 5 expression in human pluripotent stem cells. *Stem Cells* **23**(4), 458-462 (2005).

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