

DPPA2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8642d**Specification**

DPPA2 Antibody (N-term) - Product Information

| | |
|-------------------|------------------------|
| Application | WB, IHC-P, FC,E |
| Primary Accession | Q7Z7J5 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Antigen Region | 1-30 |

DPPA2 Antibody (N-term) - Additional Information**Gene ID** 151871**Other Names**

Developmental pluripotency-associated protein 2, Pluripotent embryonic stem cell-related gene 1 protein, DPPA2, PESCRG1

Target/Specificity

This DPPA2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DPPA2.

Dilution

WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50
E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

DPPA2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

DPPA2 Antibody (N-term) - Protein Information**Name** DPPA2

Synonyms PESCRG1

Function Binds to target gene promoters, including NKX2-5 and SYCE1, but not GATA4, and may be involved in the maintenance of the active epigenetic status of these genes.

Cellular Location

Nucleus.

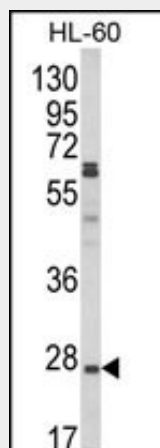
Tissue Location

Expressed in embryonic stem cells. No expression is seen in 5 months embryo, mesenchymal stem cells, embryonic fibrocytes and adult tissues.

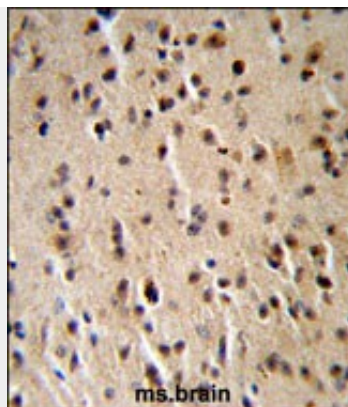
DPPA2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

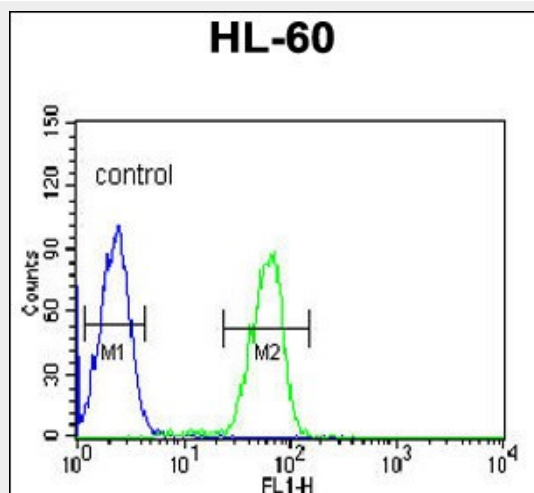
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DPPA2 Antibody (N-term) - Images

Western blot analysis of DPPA2 Antibody (N-term) (Cat. #AP8642d) in HL-60 cell line lysates (35ug/lane). DPPA2 (arrow) was detected using the purified Pab.



DPPA2 Antibody (N-term) (Cat. #AP8642d) IHC analysis in formalin fixed and paraffin embedded mouse brain followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the DPPA2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



DPPA2 Antibody (N-term) (Cat. #AP8642d) flow cytometric analysis of HL-60 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

DPPA2 Antibody (N-term) - Background

DPPA2 may play a role in maintaining cell pluripotentiality.

DPPA2 Antibody (N-term) - References

John, T., et al., Clin. Cancer Res. 14 (11), 3291-3298 (2008)
Monk, M., et al., Mol. Hum. Reprod. 14 (6), 347-355 (2008)