

**Monoclonal Anti- Developmental pluripotency-associated protein 2, DPPA2****Catalog#** BMA1018**Lot #** Check on the product label**Size** 100 µg**Isotype** IgG1**Clone #** D62-5**Host** Mouse**Reactivity**

Mouse

**Product Form** Liquid**Purification** Protein A purified**Immunogen**

A synthetic peptide (conjugated with KLH) corresponding to the N-terminal of mouse DPPA2.

**Recommend Application**

Western Blot, WB(1:100-200)

Other applications have not been tested.

The optimal dilutions should be determined by end user.

**Storage Buffer**

1\*PBS (pH7.4), 0.2% BSA, 40% Glycerol and 0.05% Sodium Azide.

**Storage Instruction**

Store at 4°C after thawing (1 week).

Aliquot and store at -20°C for long term (at least one year).

Avoid repeated freeze and thaw cycles.

**Background**

DPPA2 (Developmental pluripotency-associated protein 2), also called PESCRG1, is a protein that in humans is encoded by the *DPPA2* gene.<sup>[1]</sup>

This gene contains 9 exons, and maps to chromosome 3q13.3.<sup>[1]</sup> This 297-amino acid protein has a calculated molecular mass of 33.8 kD. Expression in human embryonic stem cells, but not in any other adult or fetal tissues or cells examined.<sup>[2]</sup> It plays a role in maintaining cell pluripotentiality.

**Reference**

1. Du, J., Lin, G., Nie, Z., Lu, G. Molecular cloning and characterization analysis of HPESCRG1, a novel gene specifically expressed in human embryonic stem cell. Chin. J. Med. Genet. 21: 542-547, 2004.
2. Du, J., Lin, G., Nie, Z., Lu, G. Molecular cloning and characterization analysis of HPESCRG1, a novel gene specifically expressed in human embryonic stem cell. Chin. J. Med. Genet. 21: 542-547, 2004.

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Chongqing Biospes Co., Ltd Tel: +86-23-67567091 Fax: +86-23-67745923

7F, Bldg B, High-tech Venture Park, # 107 Erlang Chuangye Rd, Jiulongpo District, Chongqing, 400039, China

[www.biospes.com](http://www.biospes.com)