



Anti Mouse Dppa4

BACKGROUND

Dppa (developmental pluripotency-associated) 4 is one of genes highly expressed in early embryos and ES cells. DPPA4 associated with transcriptionally active chromatin inhibits differentiation of ES cells into a primitive ectoderm lineage.

Dppa (developmental pluripotency-associated) 4 は初期胚や ES 細胞に高発現している遺伝子の 1 つです。Dppa4 は転写活性の高いクロマチンに結合し、ES 細胞の原始外胚葉（将来の内胚葉）への分化を抑制しています。

Product type	Primary antibodies
Host	Rabbit
Source	Serum (ammonium sulfate fractionation)
Form	Liquid 50% glycerol in PBS
Volume	100 ul
Concentration	10 ug/ul
Specificity	Mouse Dppa4
Antigen	Mouse Dppa4 (peptide corresponding to amino acids 106-119)
Isotype	IgG

Application notes

WB, IC

Recommended use

Recommended dilutions

Western Blot: 1/2,000-1/5,000. Predicted molecular weight: 33 kDa. Observed molecular weight: 42 kDa

Immunocytochemistry: 1/1,200

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity

Mouse

Storage

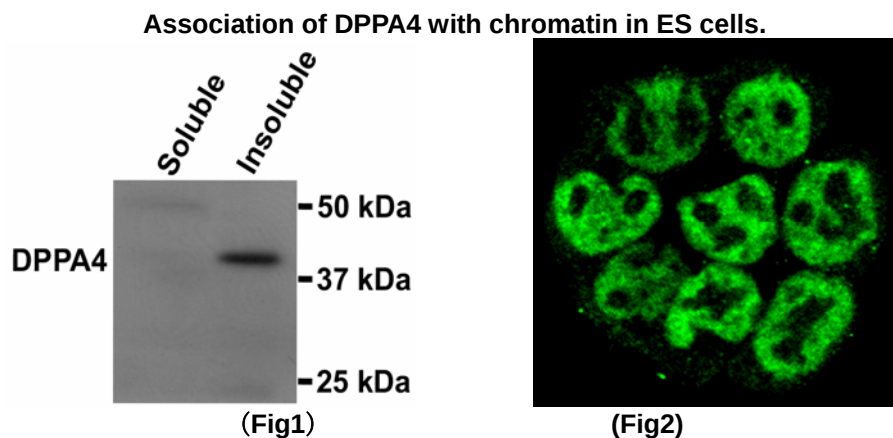
Store at -20°C (below -70°C for prolonged storage).

Aliquot to avoid cycles of freeze/thaw.

References

Masaki H, Nishida T, Kitajima S, Asahina K, and Teraoka H.: J. Biol. Chem. 282, 33034-33042 (2007)

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(Fig.1) Western blot analysis of DPPA4 in chromatin soluble and insoluble fractions (left panel).

(Fig.2) Confocal images of ES cells immunostained with anti-DPPA4 antibody



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