



POLYCLONAL ANTIBODY

Catalog No. TMD-PB-DP4

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

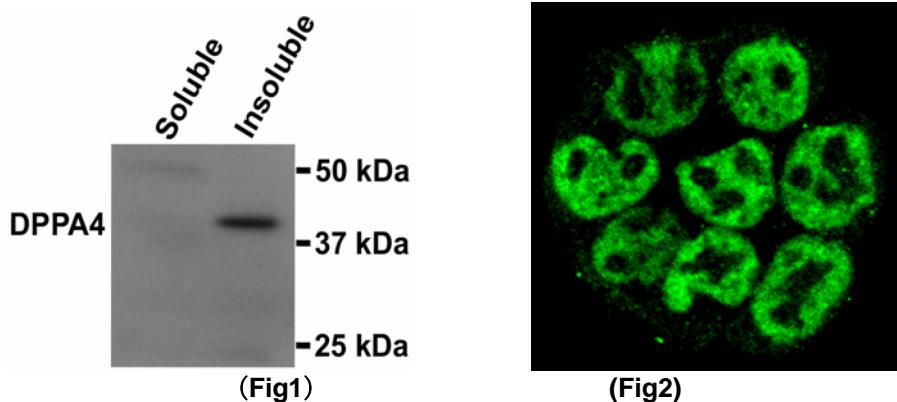
Storage Store at -20°C (below -70°C for prolonged storage).
Aliquot to avoid cycles of freeze/thaw.

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

For research use only. Not for clinical diagnosis.



Association of DPPIA4 with chromatin in ES cells.



(Fig.1) Western blot analysis of DPPIA4 in chromatin soluble and insoluble fractions (left panel).

(Fig.2) Conforcal images of ES cells immunostained with anti-DPPIA4 antibody



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